

MR Cardiac Function

Comprehensive Analysis

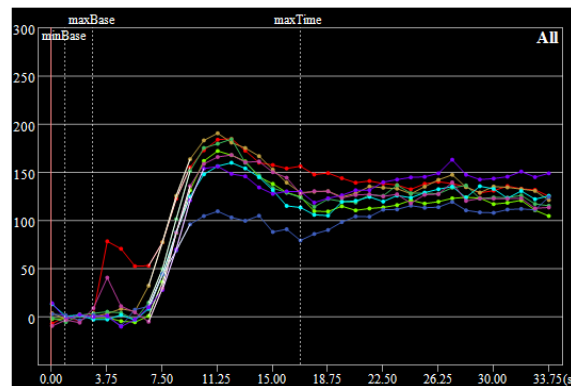
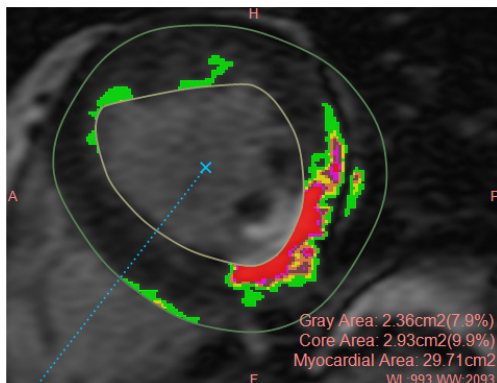
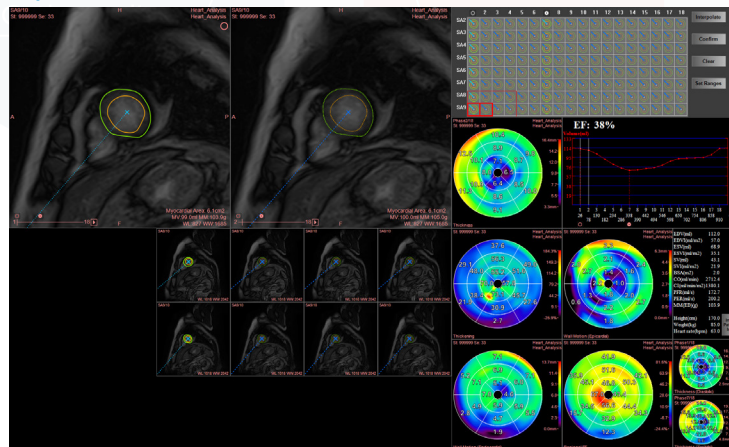
Ziostation2's MR Cardiac Function analysis protocol automates several key functions and calculations for evaluation of the left ventricle from multi-phase studies. LV myocardial contours can be automatically extracted and edited across all phases and positions. Reportable values include EF, EDV, ESV, SV, CO, CI, myocardial mass, peak filling rate and peak ejection calculations.

Standard results include:

- Myocardial contour editing tools with automated interpolation across all phases and positions
- Wall motion and thickness color sector maps
- Volume and flow analysis graphs
- Phase/position thumbnail map for simple navigation

Optional MR Cardiac protocols include:

- RV Function - including EF and other indices
- Time-Intensity - analyzes blood movement in the myocardium comparing voxel intensities across time.
- Delayed Signal Intensity - allows assessment of myocardial tissue status by creating an editable color overlay on short axis images.
- Strain Analysis - measures circumferential strain, radial strain, and their strain rates



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