

MR Cardiac Function

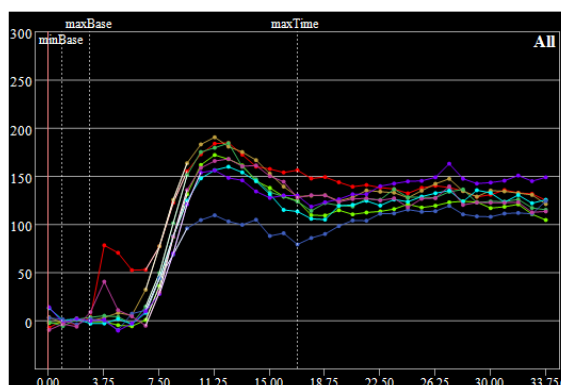
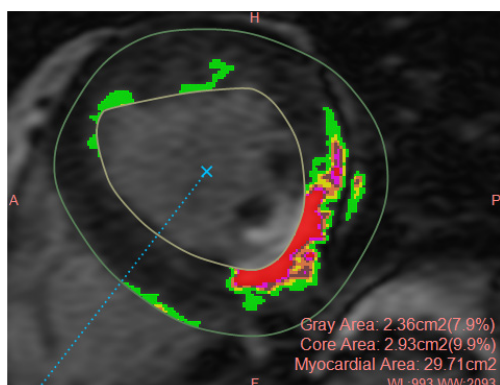
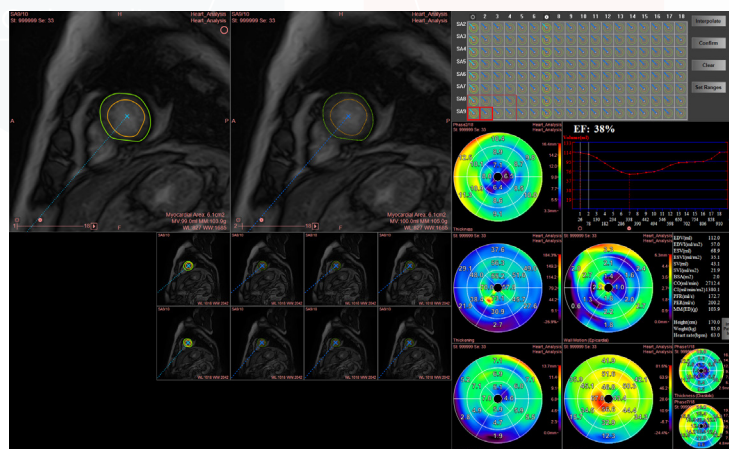
COMPREHENSIVE ANALYSIS

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:

- Short axis, long axis, 4-chamber, black blood, perfusion, and delay views.
- 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

With the most recent release of ziostation2, build on the LV analysis to evaluate RV function, including EF and other indices. Cardiac Time Intensity analyzes blood movement in the myocardium comparing voxel intensities across time. Delayed enhancement allows assessment of myocardial tissue status by creating an editable color overlay on short axis images.



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