

SEGMENT v3.2: NEW RV FEATURE AND SOFTWARE IMPROVEMENTS

Segment version 3.2 is released! It includes a new tool for quick and easy RV segmentation, and improvements in interpolation point tools and ROI features. You can download the latest version of Segment from our download webpage: <http://medviso.com/download2/>

UPDATES IN SEGMENT v3.2

NEW RV TOOL: There is a new semi-automatic tool for RV Endo segmentation. Note that LV segmentation is a prerequisite to use this tool, since the RV segmentation will click to the septal LV epi segmentation. You find a short video tutorial on how to use the new RV tool here:

http://medviso.com/tutorial/segmentcmr/SegmentCMR_RVanalysis.mp4

INTERPOLATION POINT TOOLS: The interpolation point tools for LV and RV are updated. You first add interpolation points with the left mouse click. In this phase the segmentation is shown as a dotted line. Then use the right mouse click to connect them, which change the segmentation to a solid line. When the segmentation is presented as a solid line, you can adjust and add points as desired with the left mouse click. Interpolation point tool is demonstrated in the tutorial video for RV analysis:

http://medviso.com/tutorial/segmentcmr/SegmentCMR_RVanalysis.mp4

COLORBAR FEATURE IMPROVED: The colorbar feature in Segment is improved to update live when changing contrast etc. You find the colorbar option in the main icon menu in Segment.

ONE/ALL FRAMES MODE: The setting to define if the segmentation operation should be applied to one frame or all frames is updated for the ROI/FLOW tab. The default mode is now set to ONE for all ROI tools. You can manually change between the ONE and ALL mode by clicking on the ONE/ALL icon, or using the hot-key "1" to switch between the modes. The manual ROI drawing is color-coded to show which mode the segmentation is done in; blue for ONE mode and magenta for ALL mode.

STATIC TISSUE ROI: Static tissue ROIs now get the color cyan. After adding your first static tissue ROI, the following ROIs will have the label "Static Tissue" as well. The Static tissue ROI will now automatically be time resolved when applying Eddy current compensation using ROIs.

DEFAULT ROI LABELS: There is a new setting in preferences to define favourite ROI labels. You find it in the Segment Preferences as "Add favourite ROI labels". The labels you select will then show on the top of the ROI label list.

HIDE FEATURE UPDATE: The hide feature (hot-key "H") is updated to remember the current setting for which objects to hide. The list of all hot-keys in Segment is found under menu item Help – Hot Keys.

SEGMENT STRAIN MODULE

The strain analysis module is a comprehensive package for strain analysis including both feature tracking and tagging analysis in one package. Other features are LV/RV strain analysis, long and short axis strain analysis, batch script analysis, dyssynchrony, and strain rate analysis. The module is integrated into Segment for a research solution and Segment CMR for a clinical solution, which is CE-marked and FDA certified. More information can be found in the Segment Strain brochure:

http://medviso.com/wp-content/uploads/Brochures/Strain_brochure.pdf

SEGMENT NEWSLETTER

You are receiving this newsletter since you are registered as a user of the medical image analysis software Segment. The software Segment is brought to you by Medviso AB in close collaboration with Lund Cardiac MR Group, Lund University, Sweden and Region of Scania, Skåne University Hospital. Segment is freely available for research purposes, provided that you properly refer to the software according to instructions on <http://medviso.com/research/how-to-refer/>

Best regards

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