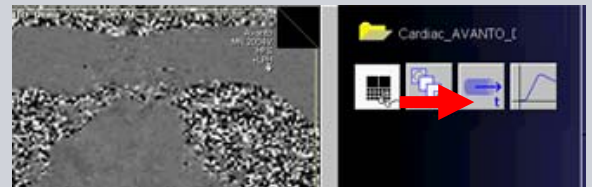
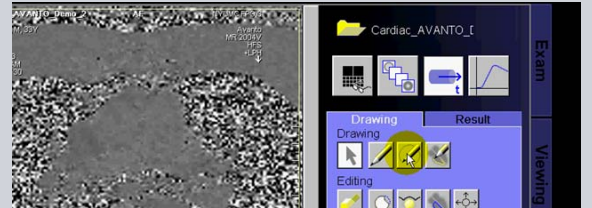


ARGUS: Flow Analysis

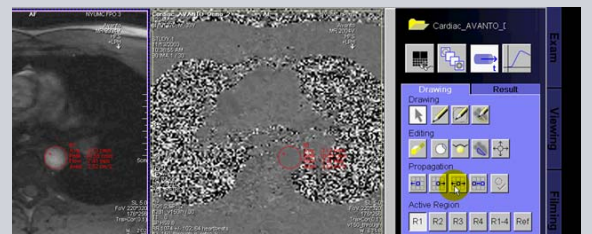
1. From the patient browser, load the Re-phased and phase series into the Argus Viewer. This is done by selecting both series and left clicking on the "Argus Icon".
2. Use the "zoom-pan" icon to magnify the series to better visualize the vessel contours. Be sure to select all series using the icon between the "A" and "1" prior to left clicking on the outer edges of the image segment and zooming.
3. Select the "Flow analysis" Icon within Argus, new tools will appear to begin the post-processing.



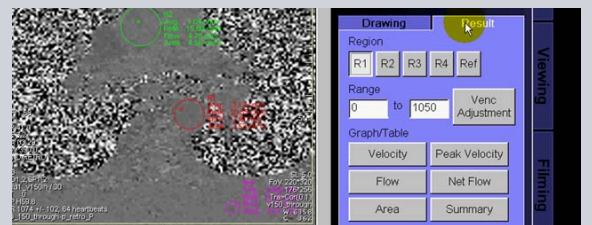
4. Select the drawing tool and move the cursor over first region, up to 4 regions can be evaluated. Left click and drag cursor over vessel to cover lumen.
5. The contour drawn will automatically adjust to the vessel shape.



6. Next choose "Propagate within Slice". This will transfer the contour you have drawn over all phases and automatically adjust the contour for vessel contraction-expansion.
7. Repeat these steps for all regions you wish to evaluate. To draw another region, select the next region button, for example R2 under the active region tools.



8. To create the results of this analysis, go to the "Results" tab. Results for Velocity, Peak Velocity, Flow, Net Flow, Area and a Summary Page can be seen for a region or all regions a contour has been drawn.



9. Once the result have been generated, select the "save as" icon to store in the Patient Browser as dicom images.
10. These reports and the contouring are stored as an Argus file. These can be loaded into the viewing taskcard, or sent to a PACS station for reporting.