

QFlow[®]



Fast Quantitative Analysis of MR Flow Studies

With all the possibilities that MR data sets offer, the amount of time available for post-processing in daily practice often is the only limitation. Take phase contrast studies. They are created in most one-stop-shop MR examinations, but are time-consuming to interpret.

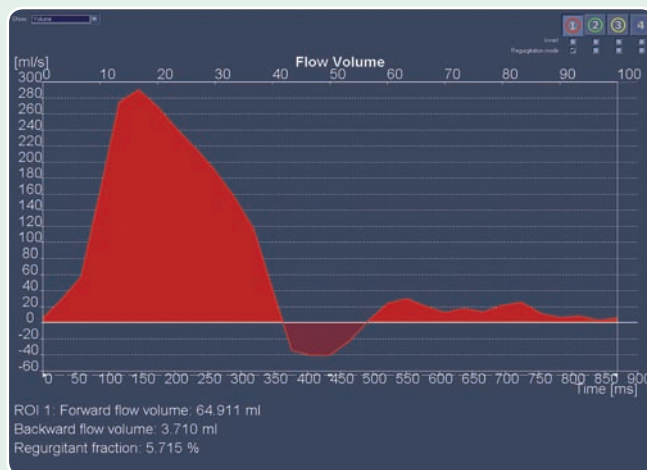
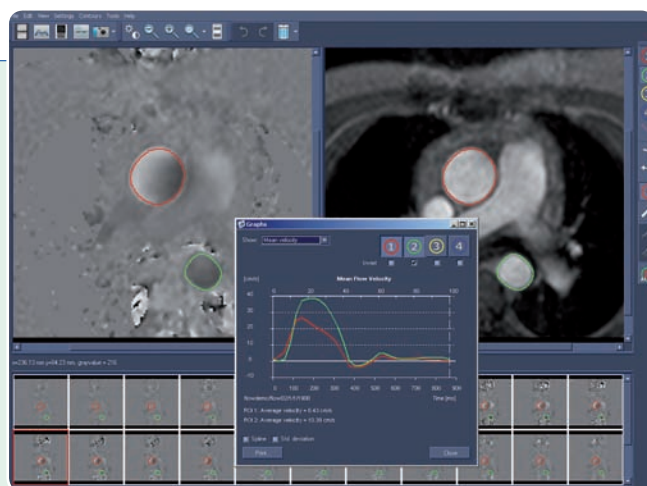
QFlow enables flow analysis using automatic contour detection. In just a few clicks, graphs can be displayed that show flow velocities, flow volumes and regurgitant fraction. With one more click, the results can be exported to QMass[®] MR, where they can be used to complement a QMass MR report—presenting the complete picture of a patient's heart condition, while reducing the total amount of time spent on post-processing.

QFlow[®] Benefits

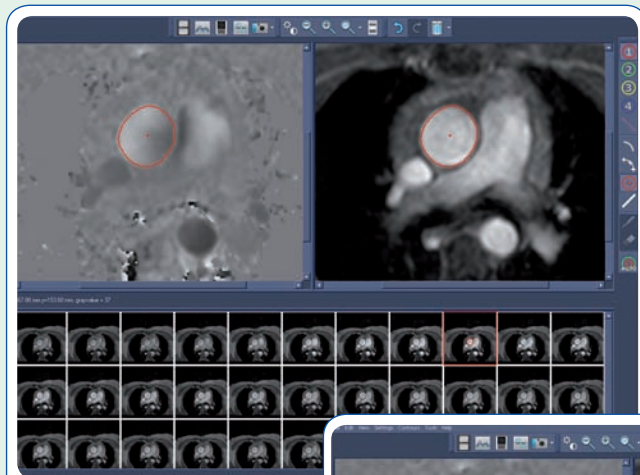
- Complements results for cardiac function obtained with QMass MR
- Reduces time spent on interpreting velocity-encoded MR data sets
- Decreases inter-observer and intra-observer variability

QFlow[®] Features

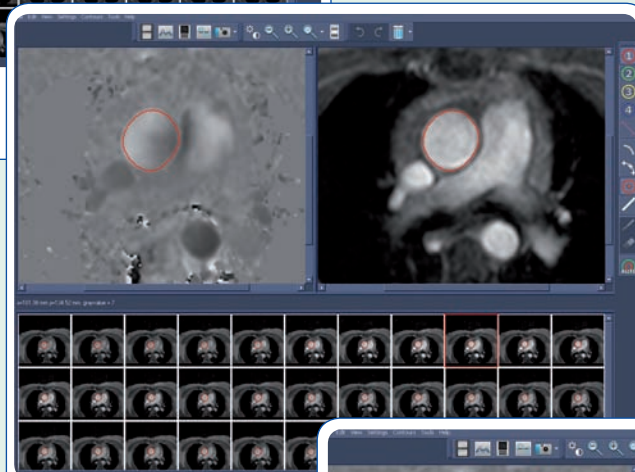
- Flow analysis of all types of vessels in three easy steps
- Automatic calculation of flow volumes, velocities and regurgitant fraction
- Measurement of slow flow volumes and velocities
- Background subtraction to correct for flow-induced artefacts
- Color-coding to visualize velocities
- Export of QFlow analysis results to QMass MR reports
- Export of analysis results in various formats, including PDF, HTML, XML and DICOM
- Vendor-independent
- Floating license mechanism enabling efficient use of licenses by multiple users



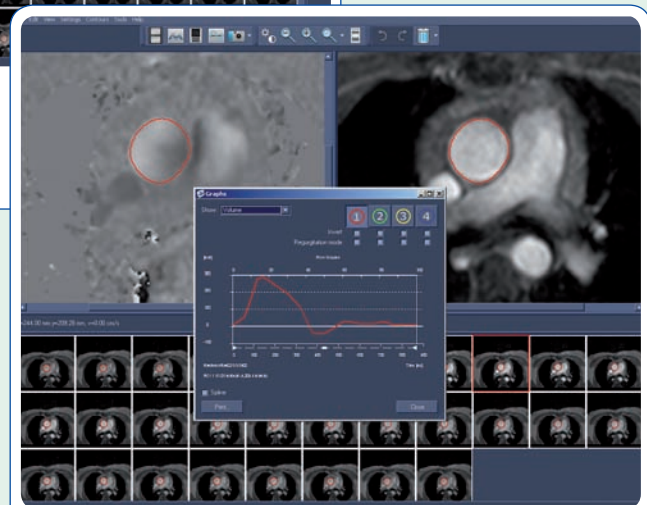
Quantitative Analysis in Three Easy Steps



1 Specify the center point



2 Detect contours in all images of the cardiac cycle



3 View analysis results

QFlow is a registered trademark of Medis medical imaging systems bv in the Benelux. QMass is a registered trademark of Medis medical imaging systems bv in the United States and in other countries. QFlow® is based on image processing algorithms developed at the Division of Image Processing, Department of Radiology, Leiden University Medical Center.

Medis medical imaging systems bv
Schuttersveld 9 2316 XG Leiden
P.O. Box 384 2300 AJ Leiden the Netherlands
Tel. +31 (0)71 522 32 44 – Fax +31 (0)71 521 56 17
www.medis.nl – sales@medis.nl

Medis medical imaging systems, Inc.
751 Miller Drive, Suite E-1
Leesburg, VA 20175-8993 USA
Tel. (703) 737-3795 – Toll free: (866) 566 7200
Fax (703) 737-3793 – us-sales@medis.nl

Quality
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Quantification