

QIvus[®] Clinical Edition



High Accuracy in IVUS Quantification

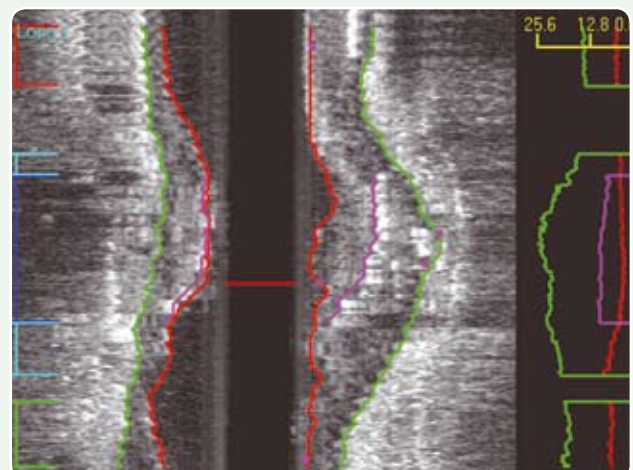
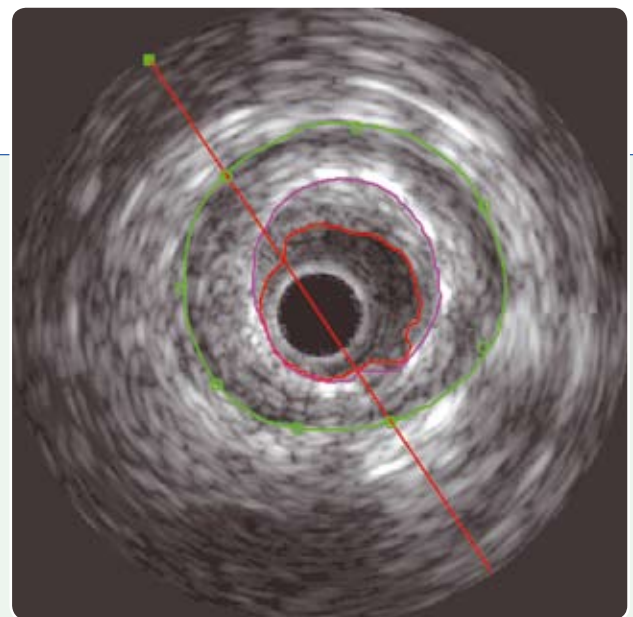
Intravascular ultrasound studies of the coronary arteries typically consist of hundreds of images. Interventional cardiologists are faced with the problem of having to assess a large number of images in a short span of time. QIvus Clinical Edition makes it possible to quickly analyze these large IVUS data sets and obtain a number of clinically relevant and highly objective results. Moreover, it does so with the highest possible accuracy in IVUS quantification, because its automatic contour detection covers all images in the selected segments instead of analyzing single frames or images at specific intervals.

QIvus Clinical Edition Benefits

- Improves the accuracy of IVUS analyses
- Increases efficiency in clinical reviews and clinical trials
- Decreases inter-observer and intra-observer variability

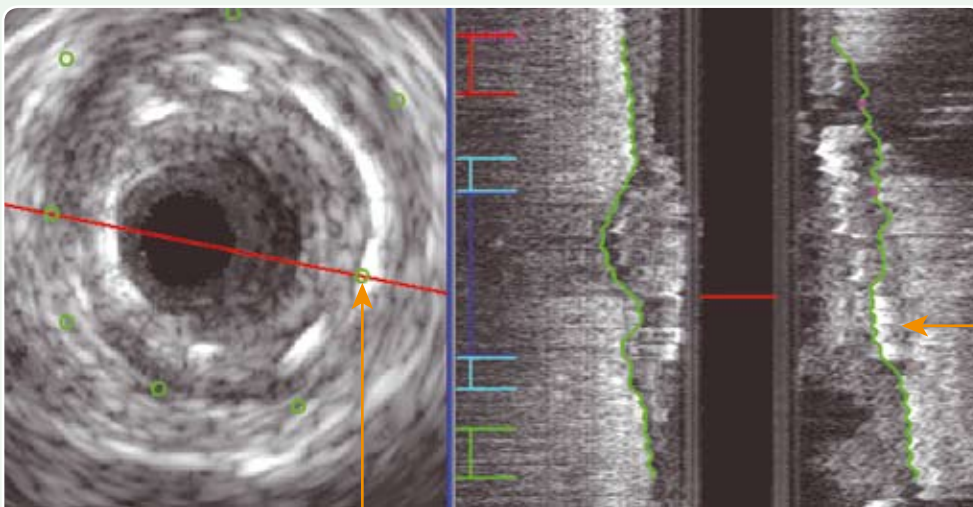
QIvus Clinical Edition Features

- Fast and reproducible automatic detection of lumen, vessel and stents
- Calculation of plaque burden and in-stent restenosis
- Optimization of contour detection through image characteristics settings
- Contour correction for cardiac motion and image acquisition artefacts
- Contour correction for shadows caused by calcified plaque
- Longitudinal view providing anatomical reference and guiding contour detection
- Simultaneous viewing and analysis of multiple pullback runs
- High-impact editing settings
- 2D and 3D results
- Seamless integration with DICOM-compliant systems
- Floating license mechanism enabling efficient use of licenses by multiple users

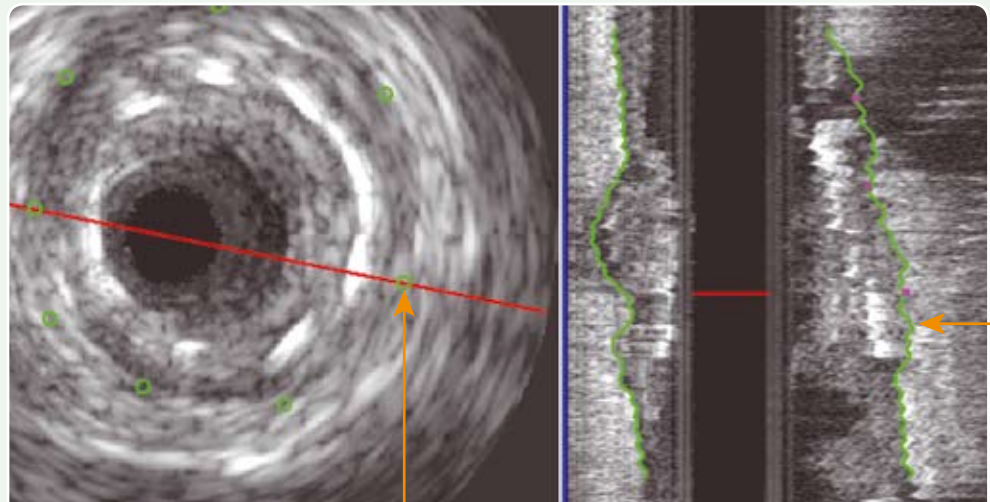


High-Impact Editing

Qivus Clinical Edition enables quick and easy editing when calcium or stents are involved. Editing a single impact point repositions an entire contour segment that could represent hundreds of manual editing points. Repositioning is highly reliable, since it takes the other impact points into account.



1 Edit a single impact point



2 This repositions an entire contour segment

Qivus is a registered trademark of Medis medical imaging systems in the Benelux.

Qivus Clinical Edition is based on advanced 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

Quality
in
Quantification