

Medis specials

Product Specification Sheet QAngio® XA 3D Research Edition, v1.0

QAngio® XA 3D RE is the analytical software tool developed by Medis Specials for the reconstruction of a coronary artery or bifurcation from two X-ray angiographic projections at least 25 degrees apart, either from a biplane acquisition or from two monoplane acquisitions, and the subsequent QCA analysis of clinically relevant parameters of coronary obstructions or bifurcation dimensions.

Data import

- From any local storage media (Hard disk, USB disk, CD/DVD, network share)
- Works with DICOM images from all major imaging vendors

Viewing

- 2D and 3D viewing of (arterial and reference) vessels and lesions
- Marker synchronization between 2D and 3D angiographic views

3D QCA analysis workflow

- Support both automated and manual calibrations
- Automated isocenter offset correction
- Automated arterial (luminal) contour segmentation
- Automated reconstruction of reference contour and diameters
- Automated 3D lesion quantification
- Automated optimal viewing angles calculation
- Intuitive and easy overlap prediction and foreshortening calculation
- Automated bifurcation angle and bifurcation core volume quantification
- ECG visualization and synchronization
- Step-by-step widgets guiding you through the entire 3D reconstruction

3D QCA analysis results

- Lumen and plaque statistics:
 - degree of stenosis (diameter and area)
 - minimum lumen diameter and area
 - lesion length and (arterial and reference) volume
 - intraluminal plaque volume
 - lumen size at every position
- New parameters:
 - bending angle and (arterial and reference) bifurcation angle
 - bifurcation core volume
 - optimal views with minimum foreshortening and overlap

Data export

- 3D reconstruction can be saved and reloaded in the same application for reviewing or exported to QAngioOCT RE for the co-registration with intracoronary imaging devices
- Quantification results can be exported to txt file
- Screenshots (png, save to local storage media or copy to clipboard)

*Quality
in
Quantification*

Requirements

- Good graphics card, **preferred**: NVIDIA, ATI
- Runs on off-the-shelf hardware (2Gb+ internal RAM memory, installation size 60Mb, data repository depends on # of studies (Typically 30-40Mb per study analyzed, 100 studies → 4Gb)

QAngio is a registered trademark of Medis medical imaging systems bv. QAngio XA 3D RE is to be used for research purposes only, and not for primary diagnostics and direct patient care.

Medis Specials bv
Schuttersveld 9, 2316 XG Leiden
P.O.Box 384, 2300 AJ Leiden, the Netherlands
Tel. +31 (0)71 522 3244 – Fax +31 (0)71 521 5617
www.medisspecials.com – sales@medisspecials.com

*Quality
in
Quantification*