

Medis specials

Product Specification Sheet QAngio® OCT Research Edition, v1.0

QAngio® OCT RE is the analytical software tool developed by Medis Specials for the 3D reconstruction of an OCT pullback and its co-registration with X-ray angiography, and/or FFR pullback.

Data import

- From any local storage media (Hard disk, USB disk, CD/DVD, network share)
- Works with OCT DICOM data exported without the longitudinal view

Viewing

- Highly informative volume rendering and fly-through viewing by 3D OCT
- Customized plane viewing at any location and angulation in an OCT pullback
- Marker synchronization among different views and modalities

QAngioOCT analysis workflow

- 3D angiographic reconstruction and QCA data imported from QAngio XA 3D RE
- Automatic co-registration of X-ray angiography, OCT, and/or FFR using a single landmark
- Automatic and fast 3D OCT reconstruction and removal of imaging catheter
- Integration of stent sizing and positioning information from different modalities in a single view
- Point-to-point comparison of lumen size between 3D QCA and OCT at every position

3D QCA analysis results

- Point-to-point correspondence among X-ray angiography, OCT, and FFR pullback
- Accurate and reproducible quantification of sidebranch ostium from main vessel OCT pullback
- Flexibility to perform caliper or area measurement at any 3D position and angulation by the OCT Cut Plane Analysis

Data export

- Quantification results exported to txt file
- Screenshots or movies

Requirements

- **Good graphics card needed:** NVIDIA, ATI (not a built in standard intel chip)
- Runs on off-the-shelf hardware (4Gb+ internal RAM memory, 64bit preferred, installation size 200Mb, data repository depends on # of studies (Typically 150-200Mb per study analyzed, 100 studies → 20Gb)

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

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