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Legal statement

QAngio CT Research Edition is to be used for research use only, and not for clinical diagnosis. QAngio CT Research Edition is based on image processing algorithms developed at the Division of Image Processing, Department of Radiology, Leiden University Medical Center, the Netherlands.

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Imaging Solutions
in a Heartbeat

Medis® QAngio CT V3.2

Product Specification Sheet

DATA IMPORT

- Support for CTA studies of all major CT vendors
- Access to CTA studies across the network
- Import of CTA studies from local storage media (hard disk, USB, and CD/DVD)
- DICOM connectivity, receiving cases and query and retrieve
- Centralized database, thick client solution possible with multiple clients
- Loading of prior exams in parallel

VIEWING

- Viewing 3D CT Angiography series, double oblique viewing, MPR, MIP, slabbed MIP, VR
- Efficient caliper measurements

DATA EXPORT

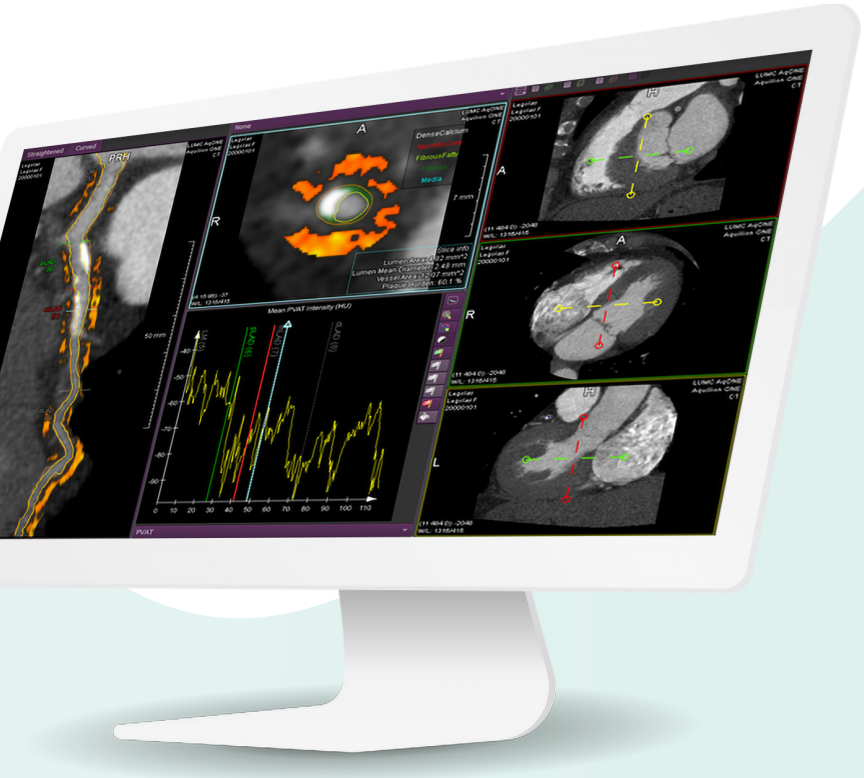
- All analysis results including coronary tree, contours, lesion parameters and vessel labels can be saved and reloaded again for reviewing and/or exporting
- Easy data export for quantification data (Excel or copy-to-clipboard)
- Batch processing of quantified parameters from multiple studies into a single spreadsheet
- Segment based
- Lesion based
- Slice based
- Screenshots (jpeg, png, copy to clipboard, DICOM snapshots)
- **NEW:** 3D visualization of plaque in 3D, export of lumen (.stl)

CTA ANALYSIS WORKFLOW

- Fully automatic extraction of the complete coronary tree
- Semi-automatic editing of coronary tree
- Automatic labeling of the segments in the coronary tree with anatomical names
- Analyze multiple vessels at the same time
- A two step contour detection approach per vessel for both lumen and vessel contours.
    - Longitudinal detection: provides quick overview of border and allows easy corrections which will propagate to the transversal step.
    - Transversal detection: Based on the longitudinal contours and corrections
    - Edit contours in longitudinal and transversal images simultaneously
- Flexible lesion detection and definition using synchronized views of the vessel data (stretched MPR, curved MPR, graphs).
- Simple contour editing workflow (2-steps)
- Automatic segment labeling for reporting and statistics

CTA ANALYSIS RESULTS

- Lumen and plaque statistics:
  - Degree of stenosis (diameter and area)
  - Lesion length
  - Plaque burden
  - Plaque volume (per lesion and per vessel)
  - Vessel remodeling index
  - Mean plaque and lumen intensities
- Fixed and adaptive thresholding methods for plaque characterization
- Plaque characterization components according to Virtual Histology classification: Vessel segment labeling
- **NEW:** Peri-Vascular Adipose Tissue (PVAT) analysis



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