Medis® QAngio CT V3.1
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)

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