MEDICAL IMAGING Imaging Solutions

QAngio[®] CT RE 3.2

Research Edition

QAngio CT Research Edition incorporates medical image processing algorithms developed at the LKEB*) for automatic coronary tree extraction as well as lumen and vessel wall contour detection. QAngio CT allows you to study vessel morphology, intensities, plaque burden and characterization in coronary CTA data, in the most efficient and robust manner.

- Complete, robust and detailed automatic coronary tree extraction
- Automated segmentation of vessel and lumen contours
- Assessment of plaque burden in mm³
- Validated tissue characterization
- Flexible and massively time-saving export of comprehensive results

CTA FEATURES

- 3D viewer for visual inspection of the CTA data
- Automatic extraction of the coronary tree
- Vessel and lumen contour detection and quantification
- Automatic labeling of the vessel segments
- QCTA and plaque analysis
- Easy wizard for guided workflows





WHAT OUR CUSTOMERS SAY

'We have been studying coronary plaque using CT in patients with familial hypercholesteremia and were able to find that amount of plaque burden correlates with the estimated cardiovascular risk and number of future clinical events. This may be highly relevant for future development of personalized lipid lowering treatment. With help of the robust Medis Quantitative Plaque Analysis tools we were able to obtain our results in an efficient and highly reproducible manner.'

Leopoldo Perez de Isla | MD, PhD, FESC Director Cardiovascular Imaging, Scientific committee Familial Hypercholesterolaemia Foundation, Hospital Clinico San Carlos Madrid, Spain



CTA RESULTS

- Validated Lumen
 and plaque statistics
- Degree of stenosis (diameter, area) and lesion length
- Plaque burden and volume (per lesion and per vessel)
- Vessel remodeling index
- Mean plaque and lumen intensities,
- Transluminal attenuation gradient (TAG)
- Fixed and adaptive intensity thresholding methods for plaque characterization
- Validated Plaque characterization components according to IVUS-VH classification
- NEW: Peri-Vascular Adipose Tissue (PVAT) analysis

REPORTING AND DATA PROCESSING

- Highly detailed and adjustable reporting
- All analysis results can be saved and reloaded again for reviewing or editing
- Results of your entire patient cohort into a single spreadsheet
- NEW: 3D visualization of plaque in 3D, export of lumen
- QCTA has been used in over 100+ peer reviewed articles by world class centers



Legal Statements

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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