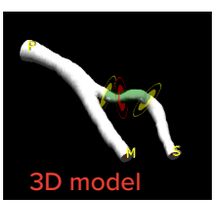
Caas Workstation

Highly validated software ideal for Core Lab Analysis

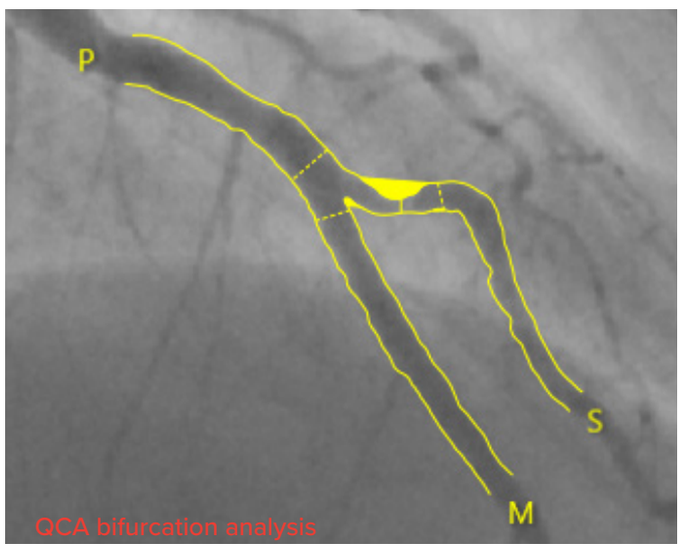
Quantitative Coronary Analysis

Assessment of coronary artery dimensions and quantification of stenosis for single and bifurcated vessels. QCA assists in the selection of the optimal balloon or stent size during Percutaneous Coronary Intervention (PCI).

- Can be extended to QCA3D



3D model



QCA bifurcation analysis

QVA analysis

QVA analysis

Quantitative Vascular Analysis

Fast and intuitive analysis of peripheral vessels such as abdominal aorta and the carotid, renal, iliac and femoral arteries.

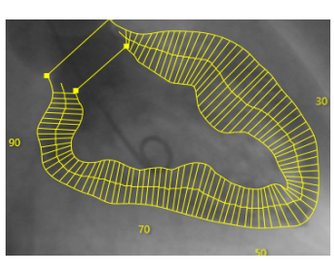
- Quantification of lesion length
- Quantification of percentage stenosis

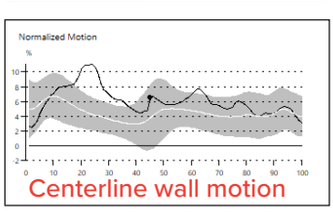
Left & Right Ventricular Analysis

Measurement of ventricular volumes, ejection fraction, stroke volume, cardiac output and wall motion.

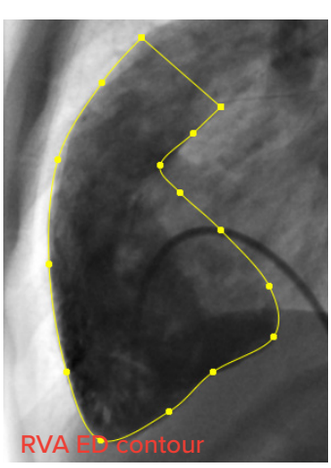
LVA Multiple wall motion analysis

RVA Seven models for the calculation of the ventricular volume





Centerline wall motion


RVA ED contour

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PIE MEDICAL IMAGING

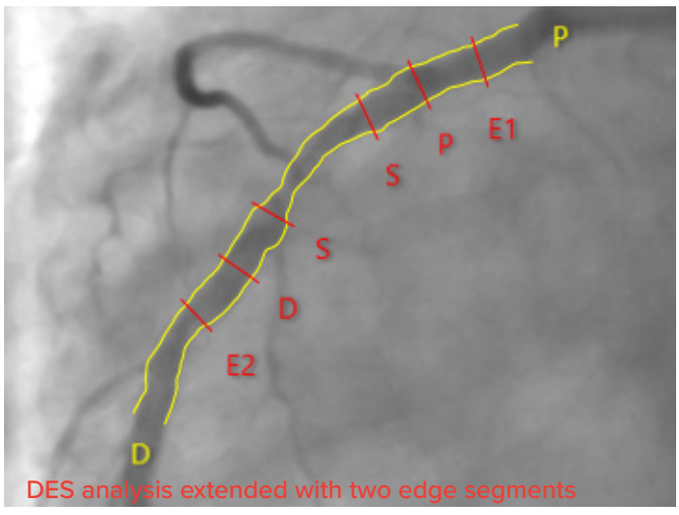
Caas Workstation

Specific research functionalities for QCA and QVA workflow

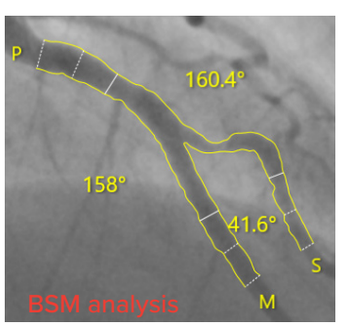
DES Analysis

A Drug-Eluting Stent (DES) analysis can be used to investigate a specific part of the vessel including two border regions. A DES analysis consists of stent, the proximal and the distal region. This analysis can be extended with:

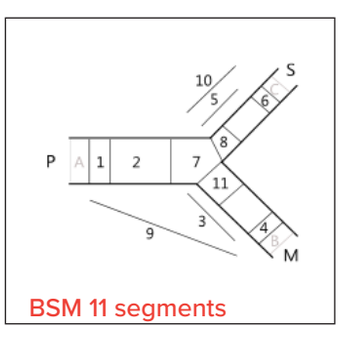
- Two additional edge segments
- A second DES analysis
- Two additional subsegments



DES analysis extended with two edge segments



BSM analysis



BSM 11 segments

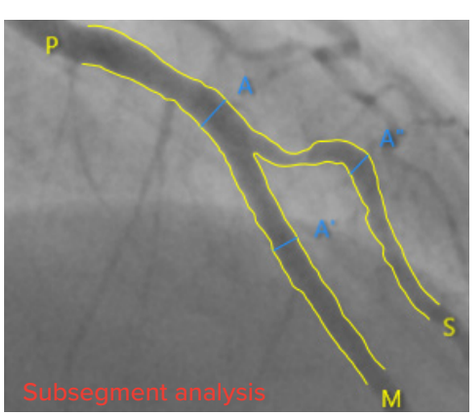
BSM Analysis (only QCA)

A Bifurcation Segment Model (BSM) analysis can be used to investigate a bifurcation. The bifurcation is divided into 6 or 11 segments. A BSM analysis can be extended with three additional edge segments.

Subsegment Analysis

The subsegment analysis can be used to investigate a specific part of the vessel.

The auto-subsegment analysis divides the vessel into a pre-defined number of segments or into segments with a pre-defined length.



Subsegment analysis