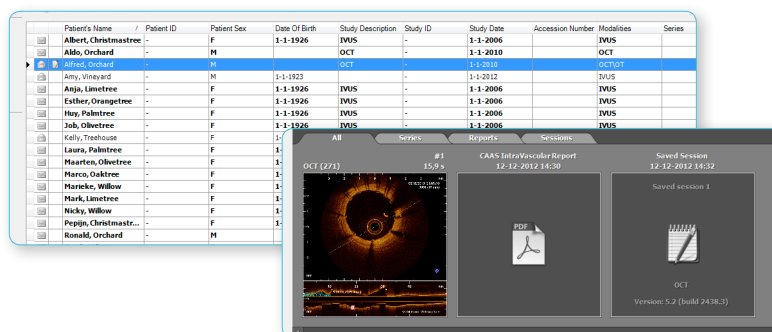


# Caas IntraVascular

Analyze your IVUS and OCT data quick and easy

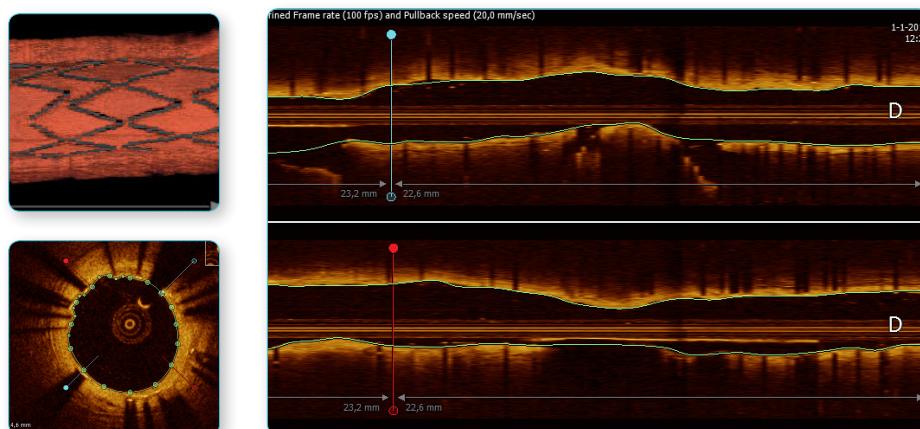
## 1 Import your data

- Studylist with PACS connectivity
- IVUS and OCT vendor independent
- Raw OCT data import with z-offset correction



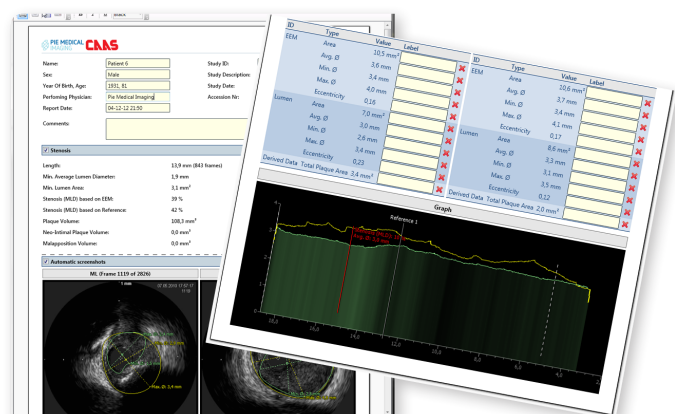
## 2 Analysis

A dedicated workflow assistant guides you through the analysis which makes CAAS IntraVascular very easy to use.



## 3 Report and export

- Important results are automatically stored in the report, which you can customize to your needs.
- The XML export facilitates integration with research databases.



Precision and reproducibility of measurements were high, proving CAAS IntraVascular to be a valid option for quantitative coronary ultrasound analysis in clinical practice and research.

*Published in Cardiovascular Revascularization Medicine*



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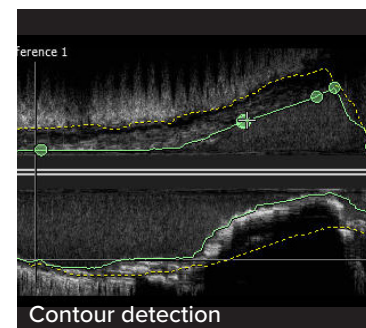
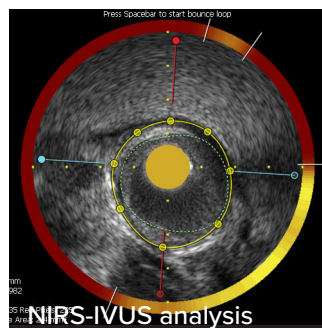
PIE  
MEDICAL  
IMAGING

# Caas IntraVascular

## IVUS analysis

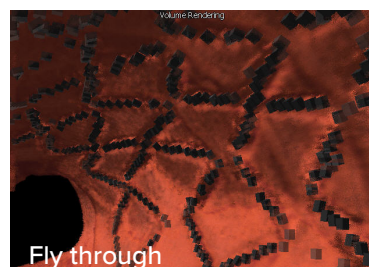
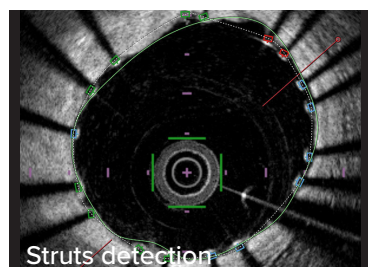
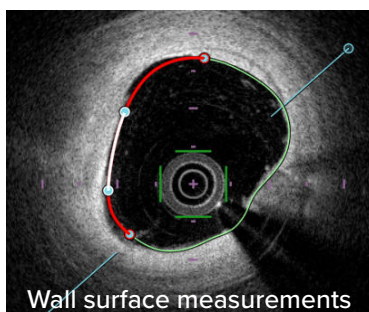
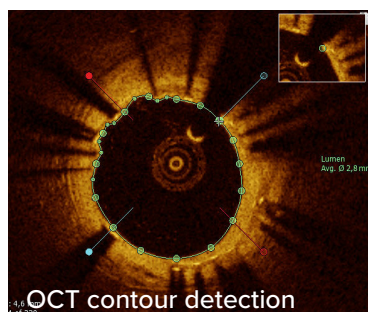
One click semi-automatic segmentation of the lumen, external elastic membrane (EEM) and stent contours on the longitudinal view. Adjust the contours in both the longitudinal and cross-sectional view to achieve the most accurate results.

NIRS-IVUS measurements of Lipid-Core Burden Index (LCBI) per frame, region and pullback.



### Saving valuable time:

Corrections are processed in 3D space and propagated to the contours to the surrounding frames.



## OCT analysis

- Automatic segmentation of the lumen and stent struts.
- Adjust easily the contours in longitudinal and cross-sectional view to ensure accurate results.
- The 'fly through' option displays a 3D rendering of the lumen and stent struts.

### Resulting measurements:

- Minimal Lumen Diameter and Area
- Percentage of stenosis based on EEM and reference frame
- Plaque Volume and Area
- Neo-Intimal Plaque Volume
- Malapposition Volume
- Number of stent struts, covered struts and malapposed struts (OCT)

### Pie Medical Imaging stands for:

- Having the best understanding of clinical workflows
- Being a knowledge partner where our customers can build on
- Fast and intuitive software solutions

### Quality Assurance:

Pie Medical Imaging develops, produces and sells products in accordance with international accepted standards. CAAS IntraVascular is FDA 510(k) cleared and MDD compliant (CE marked).

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