

Caas IntraVascular

Analyze your IVUS and OCT data quick and easy

1 Import your data

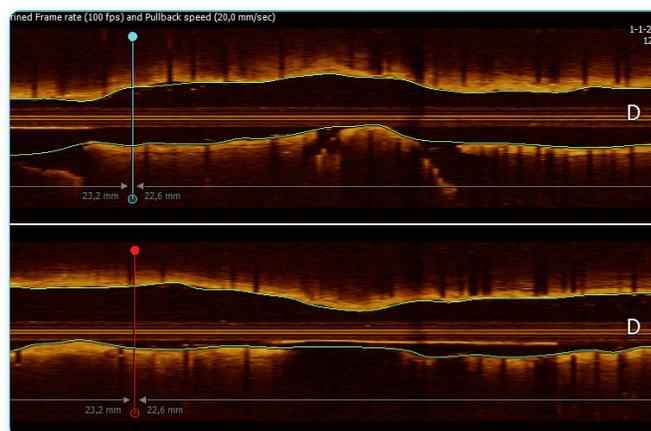
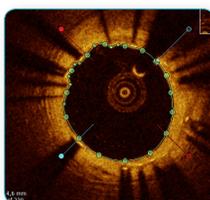
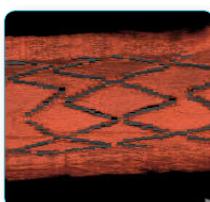
- Studylist with PACS connectivity
- IVUS and OCT vendor independent
- Raw OCT data import with z-offset correction

Patients Name	Patient ID	Patient Sex	Date Of Birth	Study Description	Study ID	Study Date	Accession Number	Modalities	Series
Albert, Christmastr...	-	F	1-1-1926	IVUS	-	1-1-2006	-	IVUS	-
Aldo, Orchard	-	M	1-1-1926	OCT	-	1-1-2010	-	OCT	-
Alfred, Orchard	-	M	1-1-2010	OCT	-	1-1-2010	-	OCT07	-
Amy, Vineyard	-	M	1-1-1923	IVUS	-	1-1-2012	-	IVUS	-
Anja, Linetree	-	F	1-1-1926	IVUS	-	1-1-2006	-	IVUS	-
Esther, Orangetree	-	F	1-1-1926	IVUS	-	1-1-2006	-	IVUS	-
Hay, Palmtree	-	F	1-1-1926	IVUS	-	1-1-2006	-	IVUS	-
Job, Olivetree	-	F	1-1-1926	IVUS	-	1-1-2006	-	IVUS	-
Kathy, Treeshouse	-	F	1-1-1926	IVUS	-	1-1-2006	-	IVUS	-
Laure, Palmtree	-	F	1-1-1926	IVUS	-	1-1-2006	-	IVUS	-
Maarten, Olivetree	-	F	1-1-1926	IVUS	-	1-1-2006	-	IVUS	-
Marco, Oaktree	-	F	1-1-1926	IVUS	-	1-1-2006	-	IVUS	-
Marlene, Willow	-	F	1-1-1926	IVUS	-	1-1-2006	-	IVUS	-
Mark, Linetree	-	F	1-1-1926	IVUS	-	1-1-2006	-	IVUS	-
Nicky, Willow	-	F	1-1-1926	IVUS	-	1-1-2006	-	IVUS	-
Pepijn, Christmastr...	-	F	1-1-1926	IVUS	-	1-1-2006	-	IVUS	-
Ronald, Orchard	-	M	1-1-1926	IVUS	-	1-1-2006	-	IVUS	-



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.

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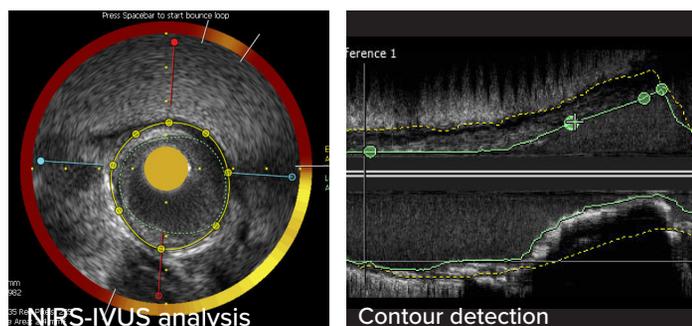
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MEDICAL
IMAGING

Caas IntraVascular

IVUS analysis

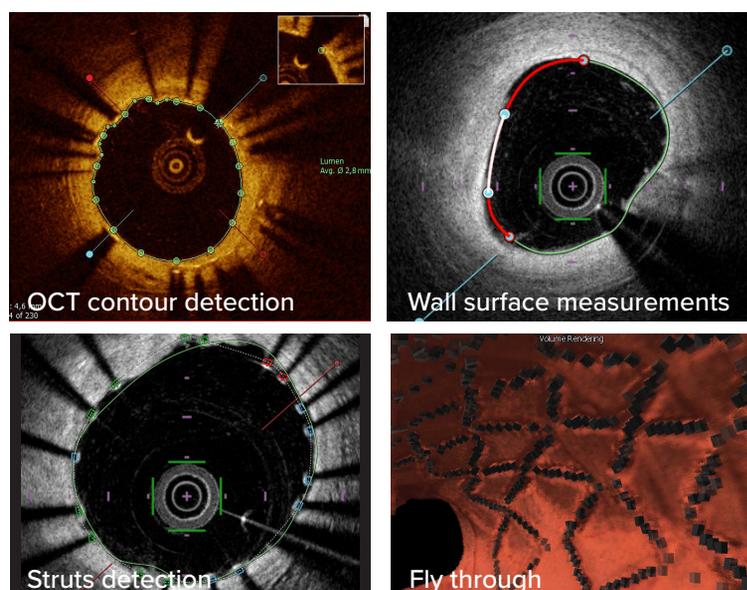
One click semi-automatic segmentation of the lumen, external elastic membrane (EEM) and stent contours on the longitudinal view. Adjust the contours in both the longitudinal and cross-sectional view to achieve the most accurate results.

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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