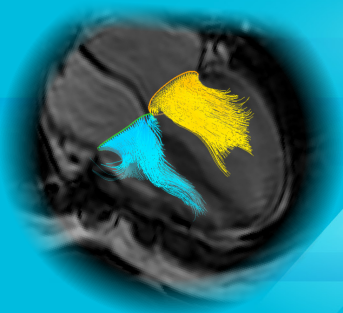


# Pie Medical Imaging

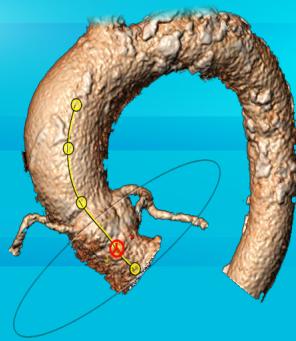
*Extracting accurate & relevant information in an easy way*

**Caas** and **3mensio** are Pie Medical Imaging solutions

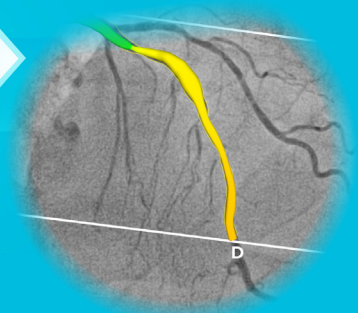
## Cardiac Diagnostics



## Pre-procedural Planning



## Intra-procedural Guidance



## Pie Medical Imaging provides the solution that suits patient care

Pie Medical Imaging develops software solutions for cardiology, vascular surgery and radiology to make image analysis easy and accessible for a wide range of imaging modalities. Intuitive and well integrated image analysis workflows have resulted in over 25 years of experience in optimizing patient care.



Full integration into cathlabs & MRI systems



Collaboration with corelabs and research institutions



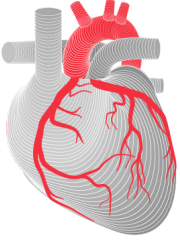
Developed together with device manufacturers



Stand alone and easy PACS connection & Client-server solutions

# Product overview **Caas** & **3mensio**

## Percutaneous Intervention



### CAAS vFFR

Pressure drop and vFFR calculation based on 3D vessel reconstruction



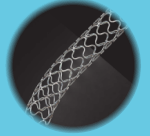
### CAAS LVA & RVA

Measurement of LV and RV volumes, EF and wall motion



### CAAS StentEnhancer

Enhanced stent visualization



### CAAS QCA (3D)

Quantification of stenosis in 2D and 3D



### CAAS QVA

Fast and intuitive peripheral vessel analysis

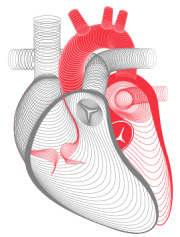


### CAAS IV-LINQ

Co-registration of angio and IVUS/OCT



## Structural Heart



### 3mensio Structural Heart

Pre-procedural planning of percutaneous valve replacement and/or repair / LAA closure

#### Mitral Valve



#### Aortic Valve



#### Tricuspid Valve



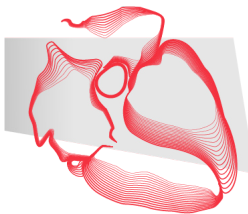
#### Pulmonary Valve



#### Left Atrial Appendage



## Cardiac Diagnostics



### 3mensio 3D TEE

Planning of mitral, tricuspid, pulmonary, aortic and LAA procedures based on 3D TEE



(Virtual) TEE and ICE registration

### CAAS MR 2D & 4D Flow HEART

Visualization and analysis of blood flow through the valves



### CAAS Qardia

Web browser based full work-up of 2D TTE studies including automated volume and strain analysis



### CAAS MR Functional

Diagnosis of heart conditions in LV and RV



### CAAS MR Tissue

Viability, first-pass perfusion and tissue mapping



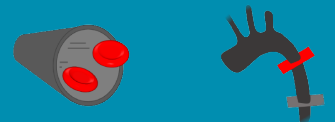
### CAAS MR Strain

Ventricular deformation analysis

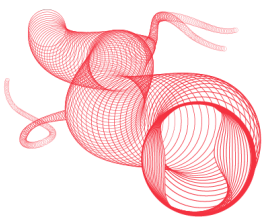


### CAAS MR 2D & 4D Flow ARTERY

Visualization and analysis of blood flow in vessels



## Vascular Surgery



### 3mensio Vascular

Pre-operative planning for EVAR, TEVAR & FEVAR



X-ray

CT

MRI

Ultrasound



Pie Medical Imaging develops, produces and sells products in accordance with applicable international standards and regulations. All products of Pie Medical Imaging are CE<sup>0123</sup> marked. Please refer to the latest version of the user manual for more information of the specific international clearances per product and information on research only workflows.

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IMAGING