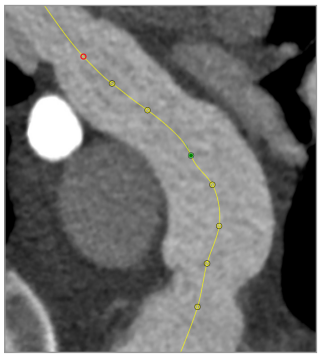
3mensio Pulmonary Valve

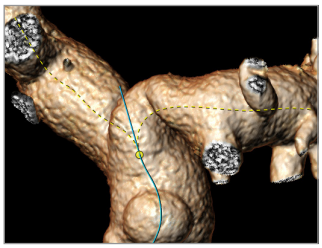
The tool for pre-op planning of Pulmonary Valve replacement and stenting

Quick, easy, and reliable measurements and assistance for planning of transcatheter Pulmonary Valve implantations. 3mensio provides a dedicated module for the analysis of the pulmonary trunk in both ED and ES and the left and right pulmonary arteries. Place a virtual valve, a virtual stent, and use the simulated angio view.

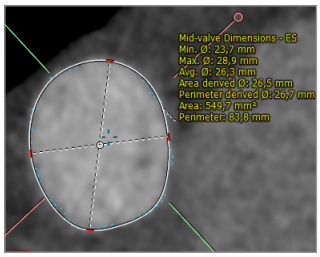
Volume rendering of pulmonary trunk



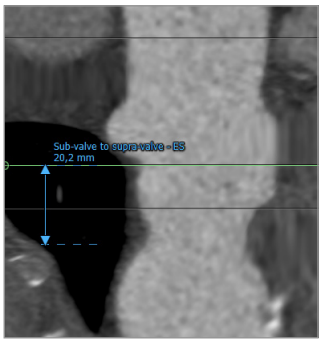
Automatic centerline



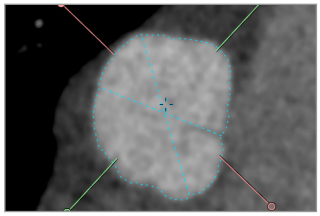
Three centerlines



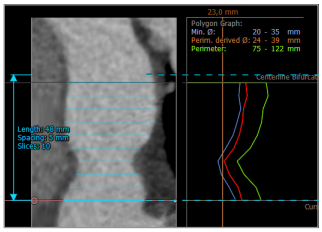
Diameter measurement



Pulmonary trunk measurement



Automatic measurement



Polygon graph tool

Pulmonary measurements

Automatic segmentation

The intuitive workflow can automatically segment three centerlines through the pulmonary trunk and the left and right pulmonary arteries, while still offering full manual adjustment options.

Measurements

Measurements can be performed on the three centerlines in the form of diameter, area, perimeter and length measurements such as:

- Pulmonary valve height
- Pre/post bifurcation diameters
- RVOT dimensions

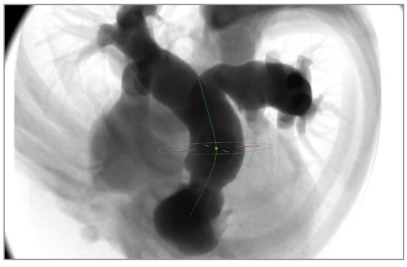
Polygon graph tool

The polygon graph tool will give a fast and intuitive overview of the pulmonary trunk by means of automated diameter and perimeter measurements.

Pulmonary trunk assessment

Simulated angio

The simulated angio can be used to find best C-arm projections for implantation, which can be used during the procedure.



Simulated angio view

+31 (0)43 328 13 28
pmi@pie.nl
www.piemedicalimaging.com

Demertdwarsstraat 8A01
6227 AK Maastricht
The Netherlands

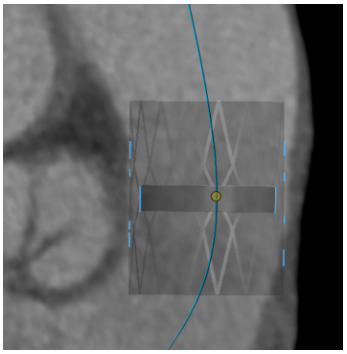
Doc ID: SMS6306 v2.0

PIE MEDICAL IMAGING

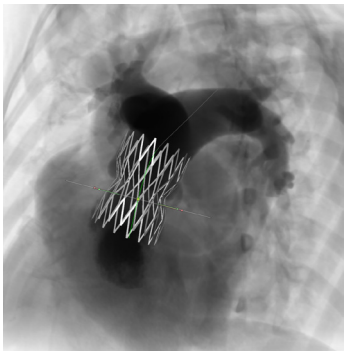
3mensio Pulmonary Valve

Virtual valve and stent

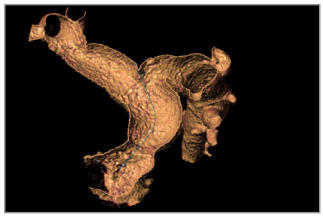
A virtual valve can be placed in the anatomy to simulate position and angle. Use the implemented custom valve or import an STL-file.
A virtual stent can be placed to allow assessment of the needed size and position.



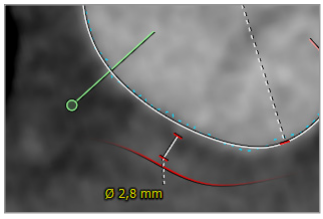
Virtual valve in virtual stent



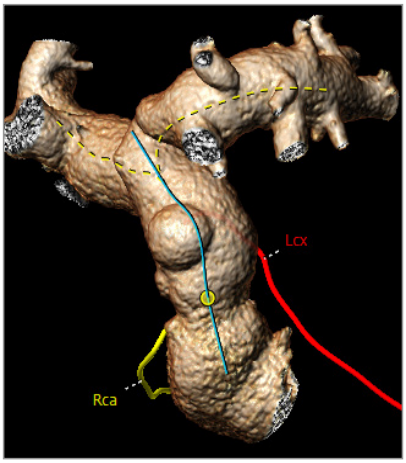
Virtual stent in angio



Curved sculpt



Coronary distance



Coronary overview

Anatomic assessment

Dedicated views are available to assess the anatomy. A view inside the vessel is possible using the curved sculpt tool.

Coronary tracing

The automated coronary centerline tracing can be used to assess the relationship between the coronaries and the pulmonary trunk.

Reporting

A complete report including a variety of tabulated measurements can be created. Customize your report by adding screenshots and comments.

Review interactive reports on your iPad

Open the report in the 3mensio report app for interactive visualization of the anatomy, measurements, angio angles, and screenshots.

Pie Medical Imaging develops, produces and sells products in accordance with international accepted standards. CE 0123
The regulatory approval status of 3mensio or any of its features may vary per region.
Please contact: regulatory@pie.nl to learn if clinical use of 3mensio or any specific features is allowed in your region.

Scan QR code for more information or a free demo license.

PIE MEDICAL IMAGING