

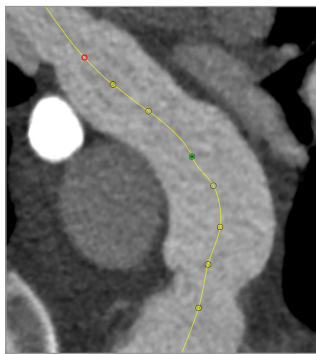
# 3mensio Pulmonary Valve

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

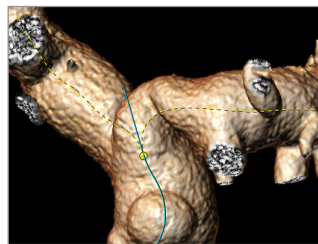
Quick, easy, and reliable measurements and assistance for planning of transcatheter Pulmonary Valve implantations. 3mensio provides a dedicated module for the analysis of the pulmonary trunk in both ED and ES and the left and right pulmonary arteries. Place a virtual valve, a virtual stent, and use the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



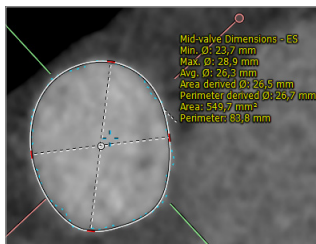
Volume rendering of pulmonary trunk



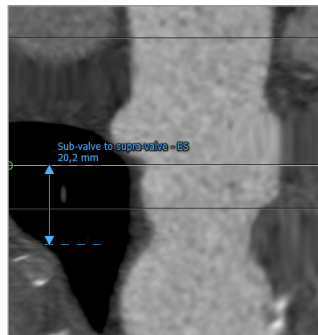
Automatic centerline



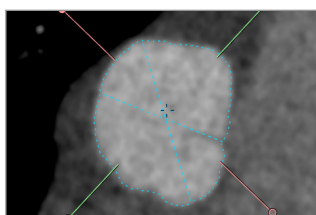
Three centerlines



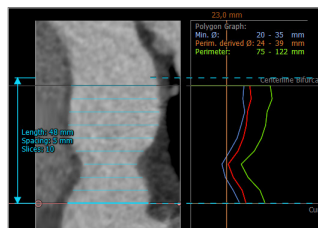
Diameter measurement



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

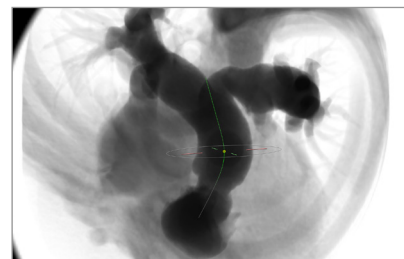
### Polygon graph tool

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.



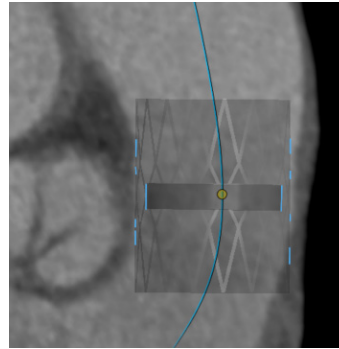
Simulated angio view

# 3mensio Pulmonary Valve

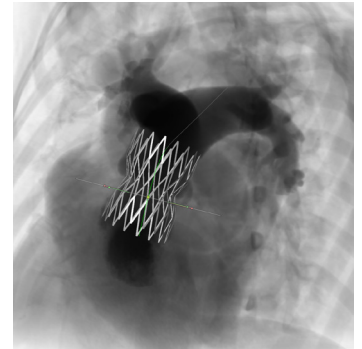
## Virtual valve and stent

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

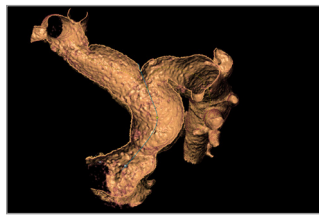
A virtual stent can be placed to allow assessment of the needed size and position.



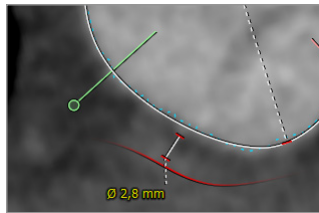
Virtual valve in virtual stent



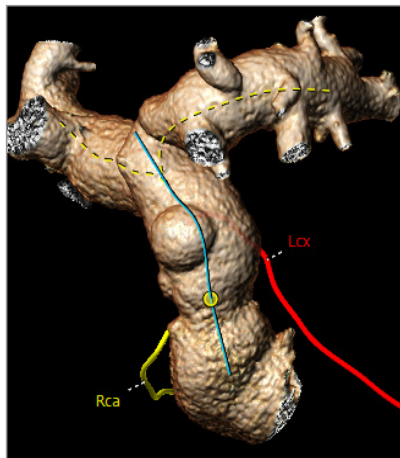
Virtual stent in angio



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.



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