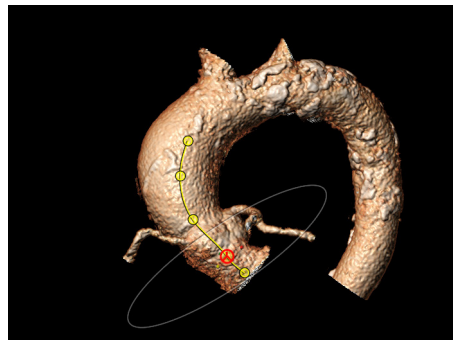


3mensio Aortic Valve

The tool for pre-op assessment of TAVI procedures

Quick, easy and reliable measurements and planning of transcatheter Aortic valve implantations. 3mensio providing dedicated modules for multi-phase Aortic Root analysis and approach route planning.

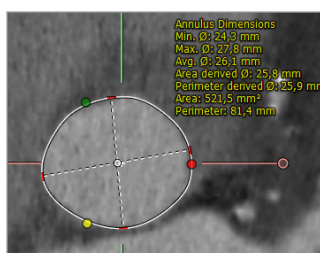
Including virtual valve, calcification assessment and simulated Angio.



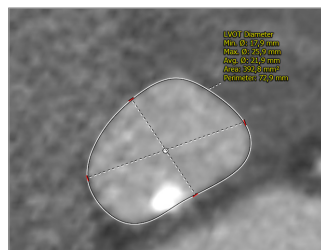
Volume rendering of Aortic Root



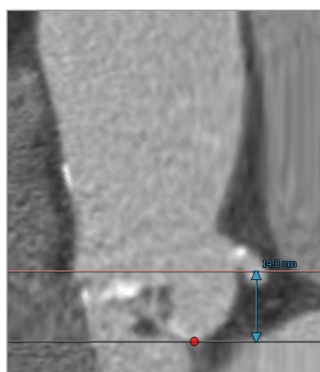
Center lumen line



Aortic annulus



LVOT measurement



Coronary height measurement

Aortic Root measurements

Automatic segmentation

The intuitive workflow makes it possible to automatically segment the ascending Aorta. Besides that it is also possible to perform manual adjustments and custom measurements.

Measurements

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

- Annulus
- LVOT
- Coronary heights
- STJ and SOV
- Ascending Aorta

Aortic Root assessment

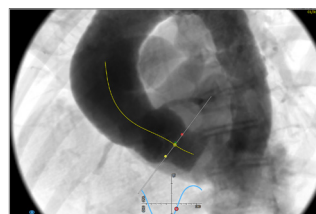
The simulated Angio

The simulated Angio can be used to find the optimal projections for implantation, which can help save time during the procedure.

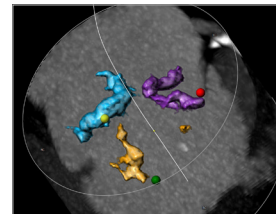
Calcification

The shape and position of the calcium can visually be assessed in multiple views.

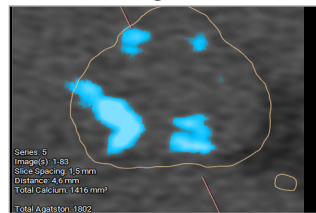
The amount of calcium can be quantified and an Agatston score can be calculated.



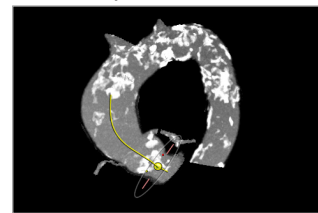
Simulated Angio view



Calcium quantification



Agatston scoring



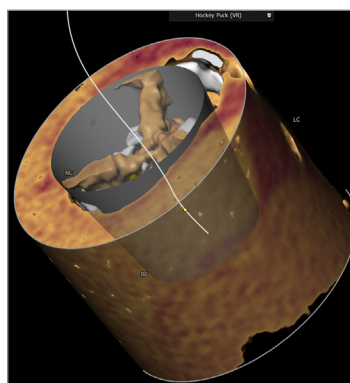
Calcification view

3mensio Aortic Valve

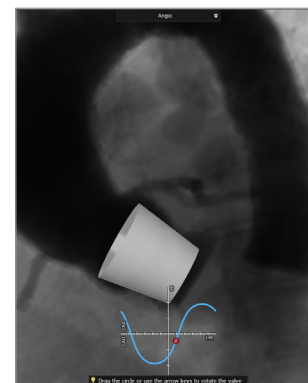
Virtual valve

A virtual valve can be placed into the patient's anatomy to allow better assessment of implant depth and angle.

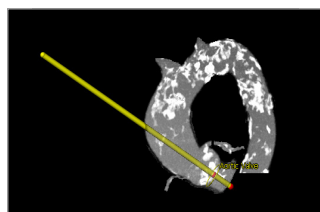
It is also possible to import a valve using an STL-file or create your own custom valve in the workflow.



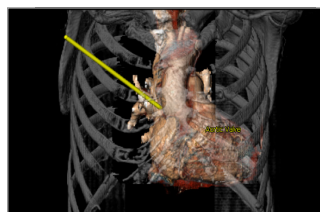
Virtual valve in hockey puck view



Virtual valve in Angio view



DA Calcification View



DA Heart and Bone View



Femoral volume rendering view

Approach routes

Dedicated workflows are available to examine a Femoral, Subclavian, Carotid, direct Aortic or transapical approach route.

The workflows allow you to visualize structures like ribs, skin and vessels with their relative diameters, calcifications and tortuosity.

Reporting

A complete report including measurements and summarizing infographics 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.



Quality Assurance:

Pie Medical Imaging develops, produces and sells products in accordance with internationally accepted standards. 3mensio Workstation is FDA 510(k) cleared and CE marked. 