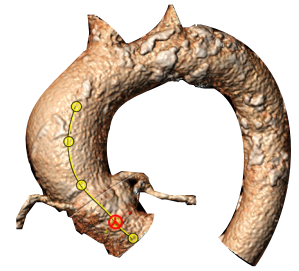


3mensio Aortic Valve

The tool for pre-op assessment of TAVI procedures

Quick, easy and reliable measurements and assistance for planning of transcatheter aortic valve implantations. 3mensio provides 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

Aortic root measurements

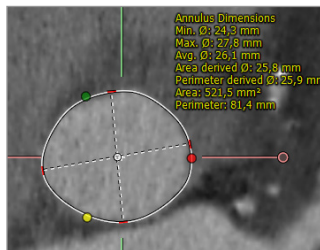
Automatic segmentation

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

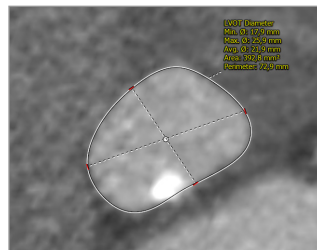
Measurements

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

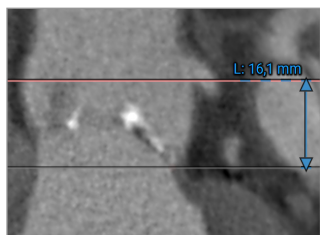
- Annulus
- LVOT
- Horizontal aorta angle
- Membranous septum
- Coronary heights
- SOV
- STJ
- Ascending aorta



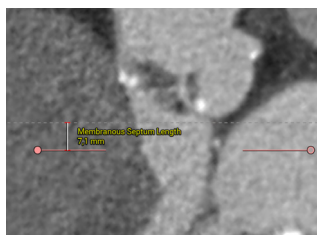
Aortic annulus



LVOT measurement



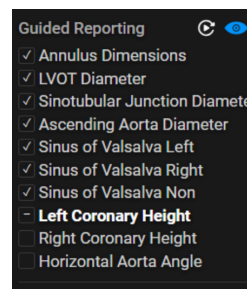
Coronary height measurement



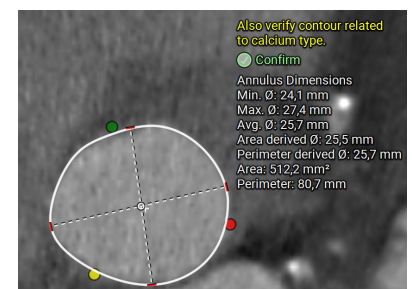
Membranous septum length

Guided reporting

Guided reporting suggests measurement placement which may then be modified as needed and confirmed, to streamline the planning process. Additionally, you have the flexibility to choose which measurements to include in the guided reporting.



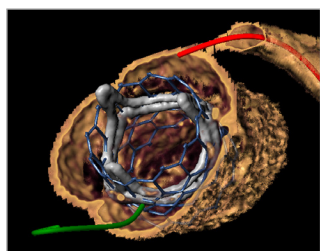
Guided reporting



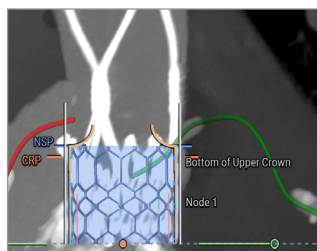
Suggested annulus measurement

Valve-in-Valve*

The Valve-in-Valve workflow assists in RedoTAV and TAV-in-SAV procedural planning. It provides specific visualizations and measurements, including commissural alignment assessment, CRP and NSP tracing and an assessment of coronary access.



TAV-in-SAV



TAV-in-TAV

*The Valve-in-Valve workflow is available as add-on license

3mensio Aortic Valve

Aortic root assessment

The simulated angio

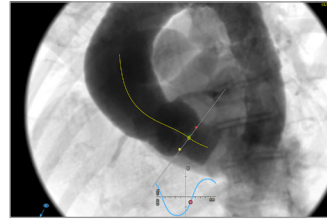
The simulated angio view can be used to identify best C-arm projections to use during the procedure.

Calcification

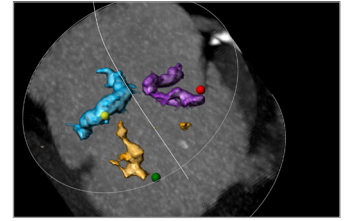
The shape and position of the calcium can be visually assessed in multiple views. The amount of calcium can be quantified and an Agatston score can be calculated.

Virtual valve

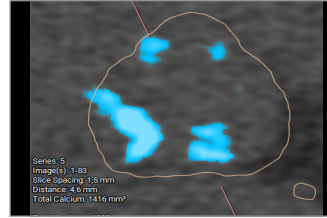
A virtual valve can be placed into the patient's anatomy to simulate implant depth and angle. It is also possible to import a valve using an STL-file or create your own custom valve in the workflow.



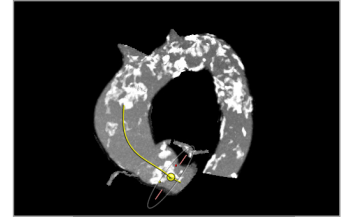
Simulated angio view



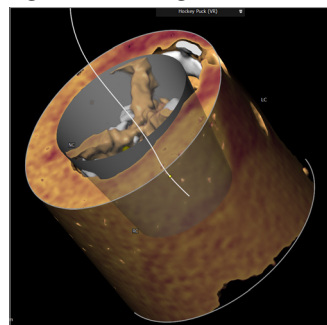
Calcium quantification



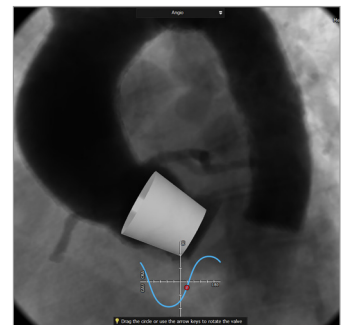
Agatston scoring



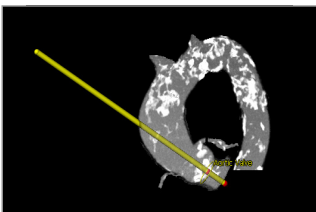
Calcification view



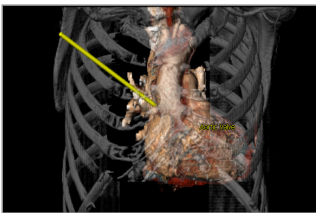
Virtual valve hockey puck view



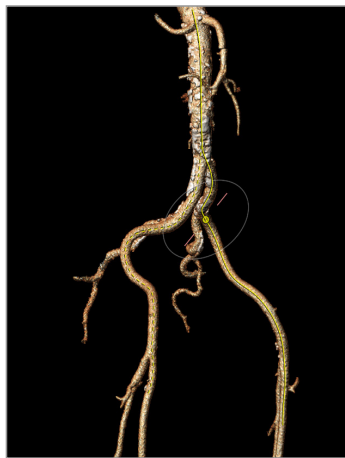
Virtual valve in angio view



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.

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



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