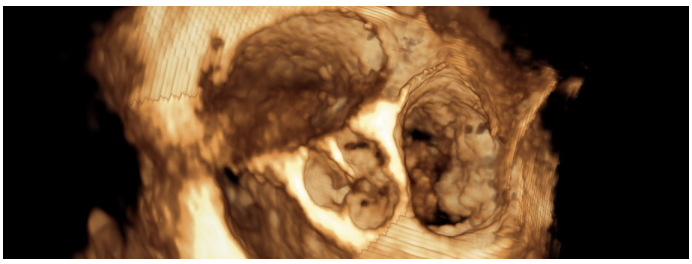
3mensio 3D Echo

Pre-op assessment of any structural heart procedure using 3D/4D Echo data

Determine cardiac anatomy and dimensions on 3D/4D Echo images. For all valvular structures and independent of your ultrasound manufacturer.



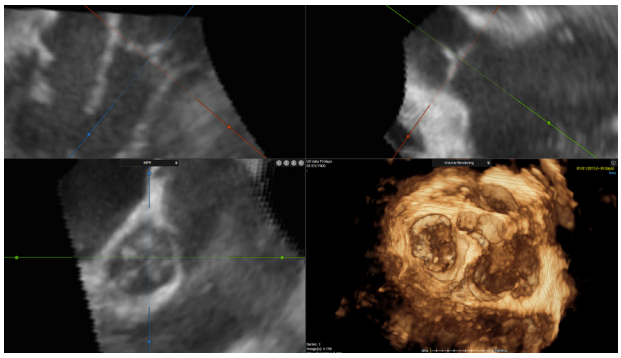
3D echo image of aortic valve, mitral valve, RVOT, and RV



Compatible with Philips, Siemens and GE

Compatible with RAW datasets from most major 4D Echo carts

Analyze your data, off-cart and independent of the ultrasound system you are using



3D echo viewer

3D/4D cardiac viewer

Open the data directly in the 3D Echo viewer and create custom double oblique views as a region of interest. Save and restore your selected views anytime. Save videos of your chosen 2D and 3D views.

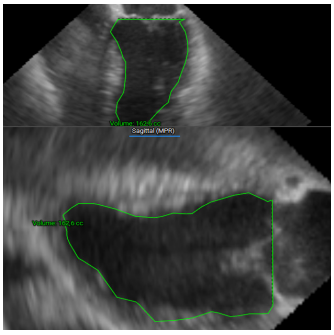
Measurements

Aortic, mitral, tricuspid, pulmonary and LAA measurement toolbox

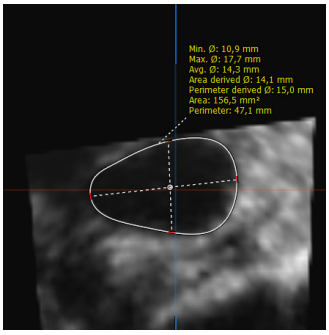
Perform a wide variety of measurements needed for your planning or follow-up:

- Length / diameter
- Polygon / perimeter
- Area / volume
- Distance in 2D and 3D
- Angle in 2D and 3D

Save and restore your measurements anytime, e.g., to be shared with colleagues.



Left ventricular volume measurement



LAA Ostium measurement

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

Demertdwarsstraat 8A01
6227 AK Maastricht
The Netherlands

Doc ID: SMS6334 v2.0

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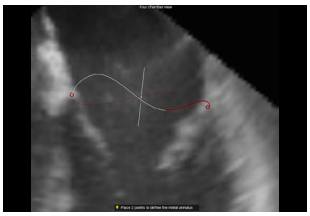
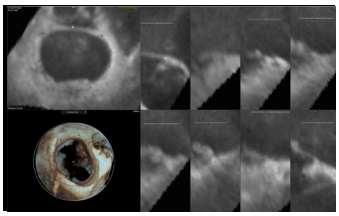
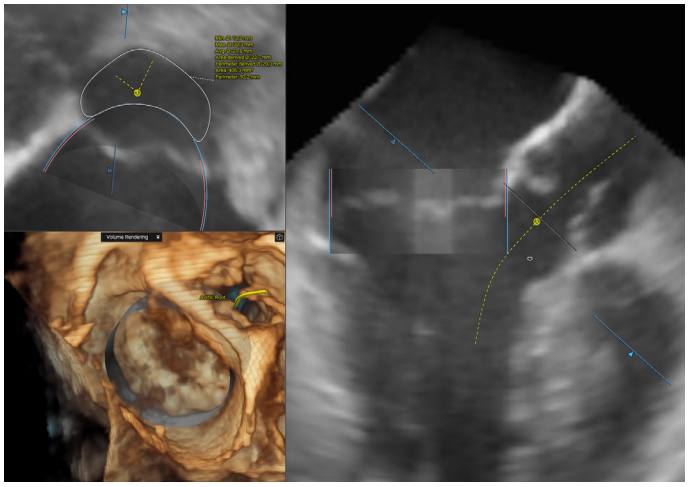


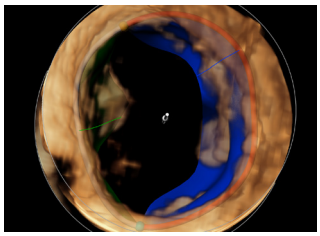
Annulus tracing



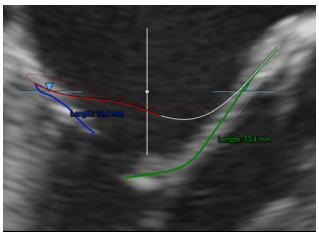
Annulus editing



Neo-LVOT measurement



Hockey puck view with traced leaflets



Leaflet lengths

Dedicated module for mitral valve

Use 3D/4D TEE for your mitral valve repair planning and patient screening for mitral valve replacement.

Annulus tracing and leaflet measurements

Semi-automatic tracing of the mitral annulus provides dimensions such as area, perimeter, AP, and CC distances. Indicate the leaflets and get insight into leaflet length, coaptation length, and tenting area/height.

Unique virtual valve implantation and neo-LVOT assessment

A virtual valve (any device) can be inserted and the neo-LVOT can be calculated using a similar approach as the assessment on MSCT.

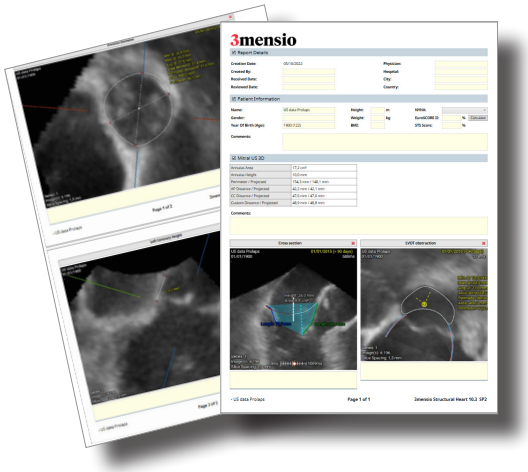
Co-registration of 3D/4D TEE with MSCT

Register the patient's 3D TEE scan with the MSCT scan for a side-by-side view and interact with the best of worlds in mitral valve screening and planning.

Reporting and session state

A complete report can be created by adding screenshots of the different measurements to the report. All the measurements in the screenshots can also be displayed in a table below the screenshot.

A session state can be stored to be re-opened at a later stage or to be shared with colleagues.



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