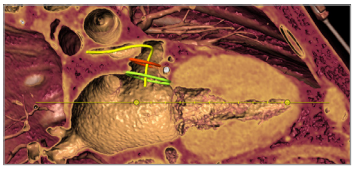
3mensio LAA

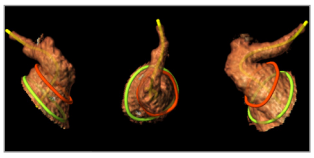
The pre-op assessment tool for LAA occlusion

3mensio LAA is a dedicated tool for the assistance in pre-op assessment of LAA closures on CT. Using the software you can assess the 3D anatomy of the patient, measure the ostium and landing zone and determine an optimal projection angle. Plan the approach route with the septal crossing or pericardial access module. It is possible to place a virtual device to represent your closing device and to visualize a virtual TEE and ICE.

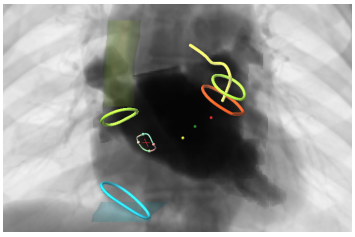
Volume rendering heart



Intracardiac view



Volume rendering LAA



Septal crossing

3D volume rendering left side of the heart

Anatomy assessment

With a single click, the software creates a 3D volume rendering of the left side of the heart. While rotating the volume rendering, the shape and position of the LAA can be appreciated.

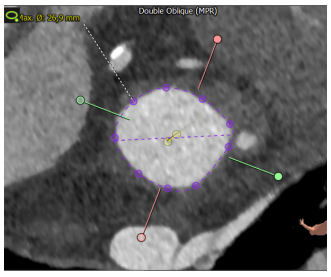
Virtual device placement

Landing zone/Ostium measurements

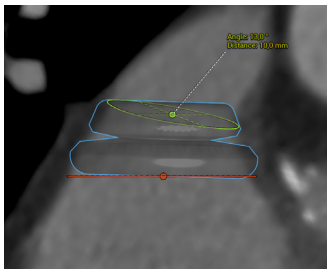
Identify the landing zone and the ostium using the dedicated views. The dimensions are suggested automatically. The distance and angle between the landing zone and ostium are calculated.

Virtual device

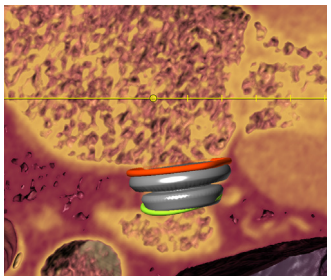
An STL file can be loaded into the software or a custom closing device can be created. The implant depth and angle can be assessed.



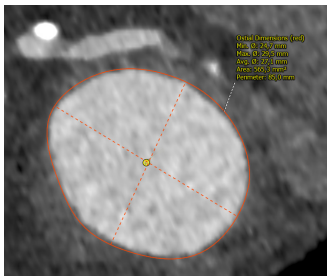
Auto segmented LAA



Virtual device placement



Virtual closing device



LAA ostium measurement

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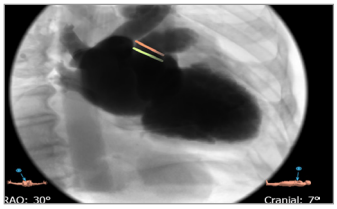
PIE MEDICAL IMAGING

3mensio LAA

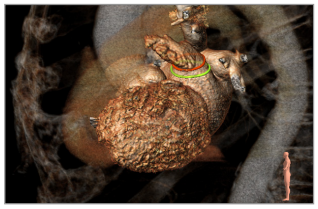
LAA assessment

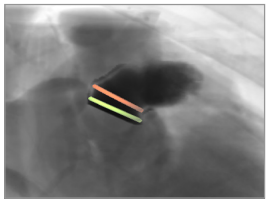
C-arm projection angles can be found using the simulated angio view. Such best C-arm projections can be used during the procedure.

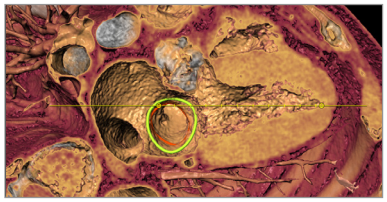
Intra and extra cardiac views can be used to assess the relationship with the pulmonary vein, pulmonary ridge, and mitral valve.

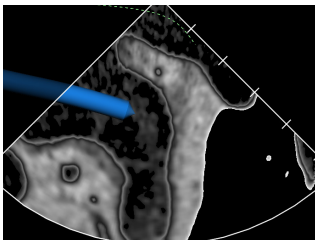


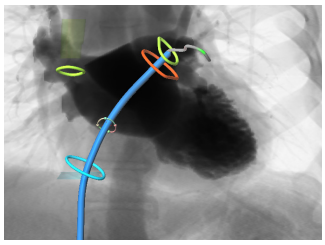
Simulated angio view

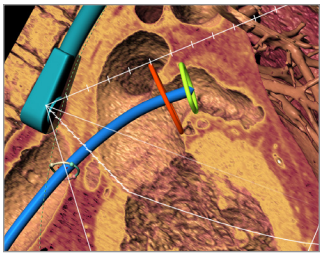

Extracardiac view

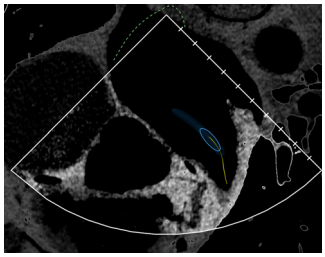

LAA contrast


Intracardiac view


Virtual ICE mono-plane


Septal crossing catheter path


Volume render with bi-plane TEE viewing angles


Virtual TEE mono-plane

Preparing the procedure

Septal crossing
By defining the interatrial septum, the IVC, the SVC and a puncture point, a catheter path can be planned. The angle between the IVC and SVC ostia and the septum can be visualized.

Prepare echo guidance
The virtual TEE and ICE modules help you find the probe position and angulations for your procedural echo guidance.

Pericardial access
Assess the catheter path from the entry point of the patient to the tip of the LAA.

Reporting

A complete report can be created with the most important measurements shown in a summarizing infographic. Customize your report by adding screenshots of the patient's anatomy, measurements, and the approach route assessment.