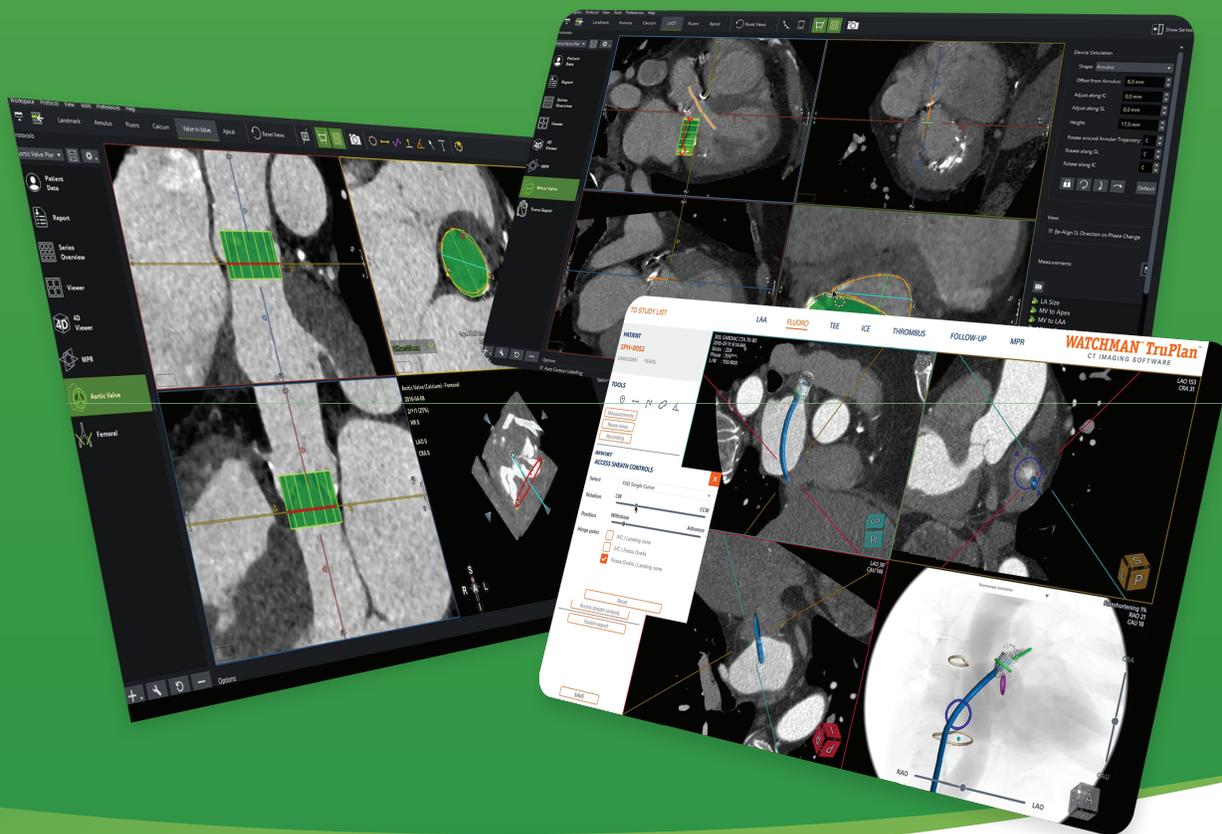


cvi42® | Interventional Planning

Aid in preparation for Left Atrial Appendage Closure, Aortic and Mitral valve replacement with a specialized workflow for CT. Measure, visualize and report findings to make the best decisions for your patients.



For more information, contact us at sales@circlecvi.com or scan the QR code.



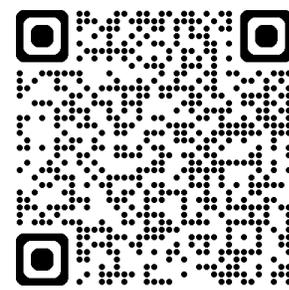
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Circle Cardiovascular Imaging



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At the **Heart** of
IMAGING





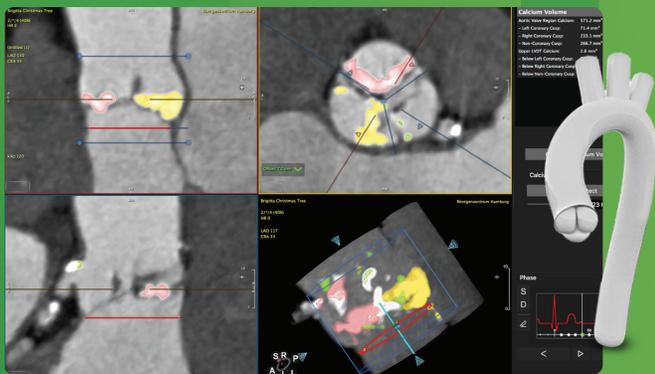
Interventional Planning

cvi42®

Fast and efficient Structural Heart interventional planning. Better understanding of anatomy to predict, plan and visualize aortic procedures.

AORTIC VALVE†

- Automated detection of aortic valve annulus cusp points
- Ability to edit and refine all automated measurements
- Automatic calculation of Ostia Heights, ST Junction, Sinus of Valvasa, Aortic Annulus
- Worklist measurements, labelled with the tags provided, will automatically be entered into an infographic in the report module
- Extensive Aortic Valve infographics
- Aorta Fluoro page & automated C-arm perpendicularity position
- Leaflet calcium volume with automatic detection based on calcium threshold, calcium volume report per cusp in aorta and LVOT
- Virtual device visualization with different shapes available, including the possibility of importing vendor specific image files
- Apical access planning

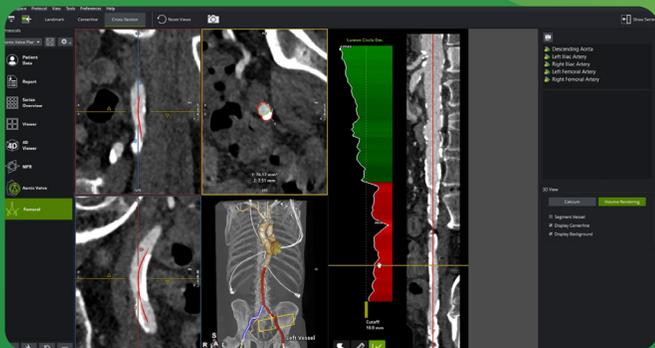


AORTIC VALVE

| Phase | Value |
|-------------------------|-------|
| 1 Sinotubular Junction | 30% |
| Min Diameter (mm) | 27.8 |
| Max Diameter (mm) | 28.6 |
| 2 Coronary Ostium Right | |
| Height (mm) | 15.7 |
| 3 Coronary Ostium Left | |
| Height (mm) | 15.8 |
| 4 Annulus | |
| Min Diameter (mm) | 22.2 |
| Max Diameter (mm) | 27.8 |
| Area Derived | 25.3 |
| Diameter (mm) | |
| Perimeter Derived | 25.8 |
| Diameter (mm) | |
| Perimeter (mm) | 81.0 |
| Area (mm ²) | 504 |
| 5 LVOT | |
| Min Diameter (mm) | 19.4 |
| Max Diameter (mm) | 27.5 |
| Perimeter (mm) | 75.4 |
| Area (mm ²) | 423 |

VASCULAR ACCESS

- Semi-automated femoral centerline segmentation and reporting schematic
- Smart control points
- Centerline correction
- Centerline-based cross sectional views



Femoral Access

| Phase | Value |
|------------------------|-------|
| 1 Descending Aorta | 16.3 |
| Diameter (mm) | |
| 2 Right Iliac Artery | 9.0 |
| Diameter (mm) | |
| 3 Left Iliac Artery | 9.5 |
| Diameter (mm) | |
| 4 Right Femoral Artery | 6.4 |
| Diameter (mm) | |
| 5 Left Femoral Artery | |

† New license required.



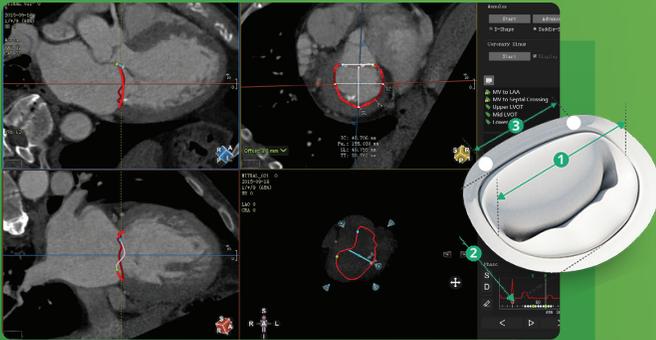
Interventional Planning

CVI42®

Fast and efficient Structural Heart interventional planning. Better understanding of anatomy to predict, plan and visualize mitral procedures.

MITRAL VALVE†

- Automated landmark detection for mitral valve center and LV apex ensures consistent reference points for accurate and reproducible cardiac measurements.
- Automated mitral annulus contouring enables fast, precise assessment of mitral valve geometry to support functional evaluation and disease detection.
- Mitral annular calcification assessment
- Coronary Sinus definition and guide wire simulation
- Automated detection of calcium based on calcium threshold, calcium volume reported per leaflet
- Assessment of LVOT and virtual device visualization
- Fluoroscopy page
- Extensive mitral infographics
- Apical access planning



| MITRAL VALVE | |
|-----------------------------------|-------|
| Phase | 35% |
| Annulus | |
| Perimeter (Mm) | 105.0 |
| Area (Mm ²) | 844 |
| MAC Ellipse | |
| 1 Intercommissural | |
| Distance (Mm) | 32.2 |
| 2 Anterior To Posterior | |
| Distance (Mm) | 30.5 |
| 3 Trigone To Trigone | |
| Distance (Mm) | 18.1 |
| MEASUREMENTS | |
| Phase | 35% |
| 1 Mitral Valve To Apex | |
| Distance (Mm) | 101.1 |
| 2 Mitral Valve To LAA | |
| Distance (Mm) | 5.4 |
| 3 Mitral Valve To Septal Crossing | |
| Distance (Mm) | 50.3 |
| 4 LA Size | |
| Length (Mm) | 61.9 |

TRANS SEPTAL

- Trans-septal access planning with distance and angle measurements
- Ability to define different structures such as fossa ovalis, superior and inferior vena cava
- Visualize structures in fluoroscopic simulation
- View access route from IVC to mitral valve



† New license required.



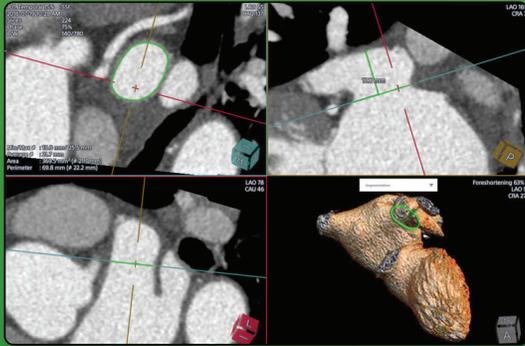
Interventional Planning

WATCHMAN™ TruPlan™
CT IMAGING SOFTWARE

Comprehensive visualization and planning for interventions in the left atrial appendage†. Fast and intuitive techniques for the pre-procedural planning and post-procedural follow up.

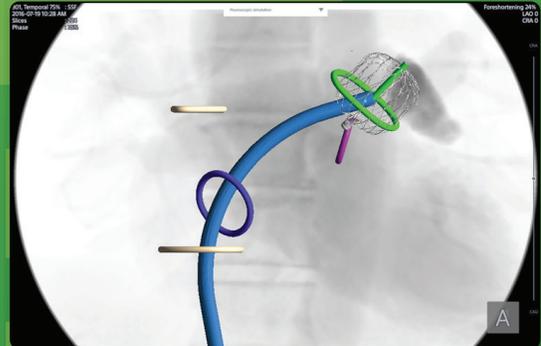
LAA Assessment

- Automated LAA landing zone definition
- Multiphase selection of desired phase
- Size and location of landing zone
- 3D anatomical assessment (segmentation, sculpting)
- Endoluminal view to LAA and LA



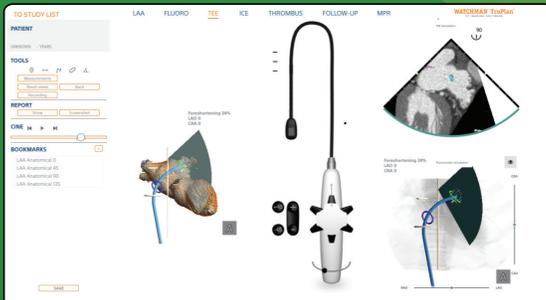
Fluoro

- Simple, intuitive definition of Fossa Ovalis, IVC, SVC and LUPV
- Fluoro simulation of LAA and structures
- Sizing tables for WATCHMAN™ devices
- Interactive overlay of WATCHMAN™ device and access sheaths



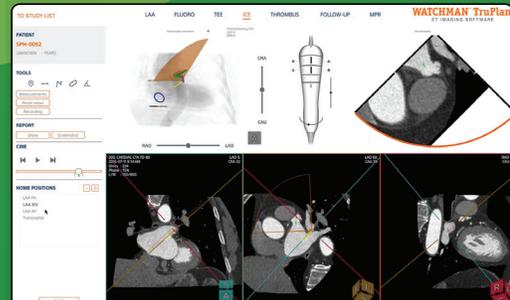
TEE

- Full functional TEE simulation
- Prepopulated TEE 0-45-90-135, bicaval and Ao short axis views
- TEE-views simulation simultaneously with fluoro and 3D
- Probe depth, probe rotation, left-right flex and anterior-posterior flex



ICE

- Structures and measurements visible on the echo views
- ICE view simulation
- Rotation, moving and flexing of probe



† New license required.

Brief Summary: Indications, contraindications warnings and precautions can be found in the product labelling.

Disclaimer: Not all modules or features are available in every region. Contact your local Circle representative for all regional availability.

CAUTION: Federal law (USA) restricts these devices for sale by, or on the order of a physician. The system is intended for use only by trained Healthcare Professionals.