

# cvi42<sup>®</sup>

## v6.4 What's New



For more information, contact us at [sales@circlecvi.com](mailto:sales@circlecvi.com) or scan the QR code.



At the Heart of  
**IMAGING**

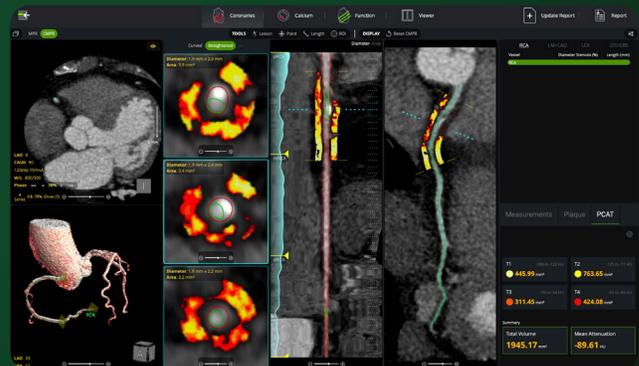
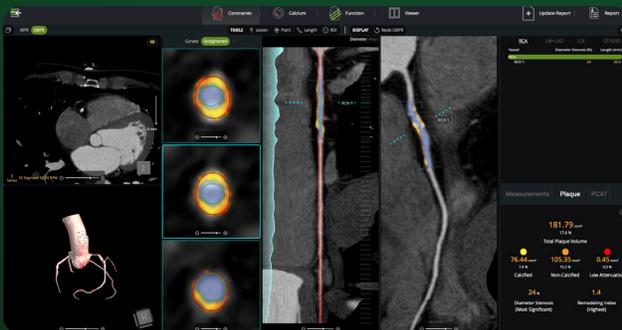


## cvi42 | CORE CT

The CORE CT solution evolves to offer deeper insights into plaque morphology, coronary inflammation, and cardiac function, moving beyond simple stenosis to comprehensive risk assessment of coronary artery disease.

Key enhancements:

- FDA-cleared cvi42|Plaque – Now available for clinical use, providing a validated, on-premise AI-enabled solution for quantifying total, calcified, non-calcified, and low-attenuation plaque.
- Pericoronary Adipose Tissue (PCAT)<sup>†</sup> Analysis – Identify coronary inflammation earlier with automated PCAT attenuation overlays and user-modifiable thresholds for flexible analysis.
- Enhanced CT Function – Gain a 3D perspective with new polar maps, offering a streamlined view of global and regional ventricular function.
- Optimized Workflow – Improved AI segmentation and intuitive editing tools ensure fast processing without the data leaving your secure local network.



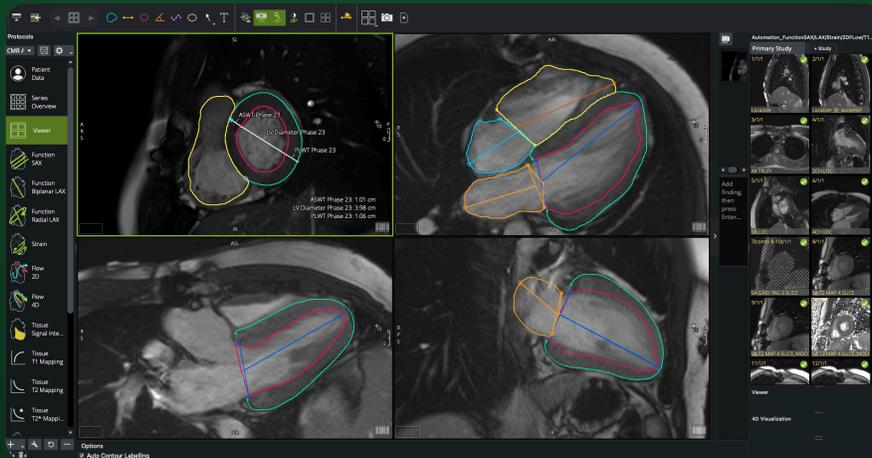
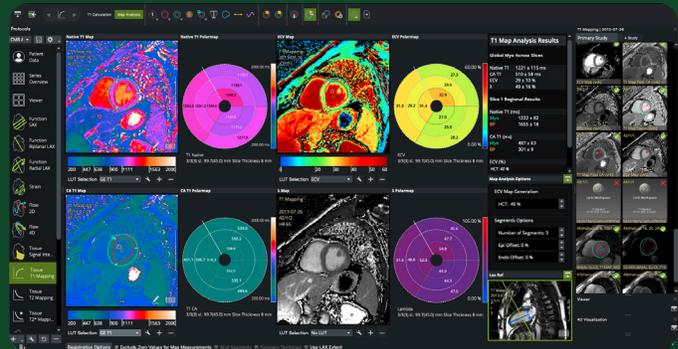
<sup>†</sup> Research use only

## cvi42 | Cardiac MR

Experience enhanced automation and workflow improvements to refine clinical CMR analysis. The latest advances remove manual steps and put the critical data at your fingertips. Automated results are always easily editable by the user, saving you time and keeping you in control of the analysis.

Key enhancements:

- Smart Measurements – Automated standard left ventricle measurements provide fast, reproducible data for every study.
- T1 Mapping Simplified – Hematocrit input and Contour Offsets are now integrated into the main interface, eliminating extra clicks and simplifying your mapping workflow.
- 4D Flow Automation – Configure server-side processing to handle complex flow quantification in the background, so results are ready when you open the case.





## cvi42 | Vascular CT

All NEW AI-enabled solution for vascular assessment, interventional planning, and follow up across aortic, carotid, and peripheral arteries. Evaluate disease progression, plan interventions, and monitor outcomes with confidence and precision.

### AORTA

- AAA, TAA, and dissection evaluation for EVAR, TEVAR, and F/BEVAR planning
- AI-powered segmentation of lumen, thrombus, calcium, endoleaks, and dissection flaps
- Automated measurements for vessel diameter, length, angle, and tortuosity
- Volumetric analysis of thrombus, calcium, and endoleak for evaluation and follow up
- Virtual graft simulation and auto-recommendations based on manufacturer's IFUs



### CAROTID

- AI-powered segmentation of lumen, calcium, and plaque with stenosis visualization
- Bilateral coverage (CCA, ICA, ECA) with side-by-side comparison
- Serial study tracking for disease progression and post-treatment follow up

### PERIPHERAL

- AI-powered segmentation from iliac bifurcation to distal runoff
- Automated centerline extraction with cross-sectional analysis
- Bilateral comparison for left and right extremities
- Calcium quantification to assess interventional suitability
- Comprehensive measurements for diameter, length, and tortuosity

