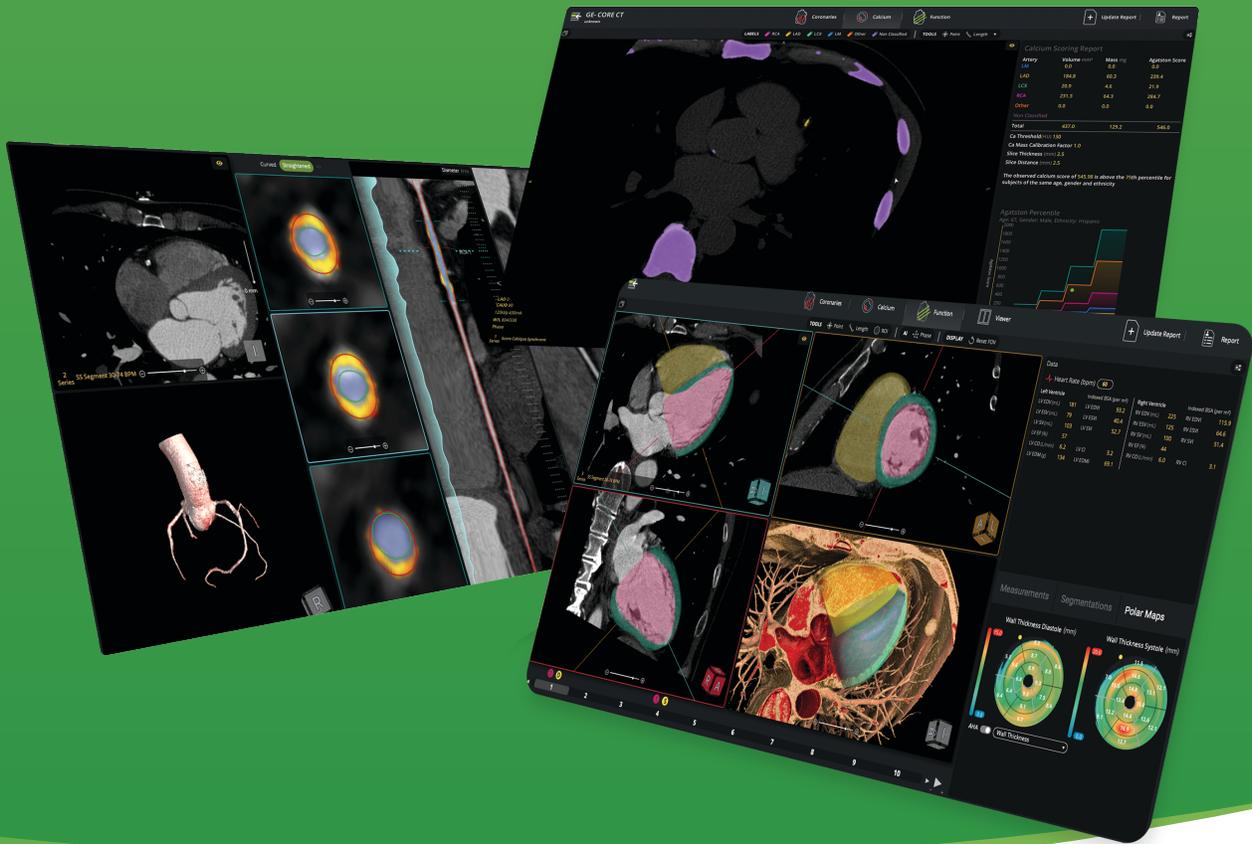
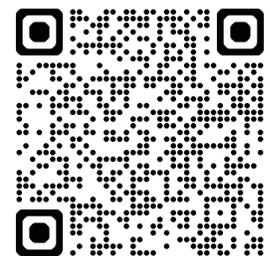


cvi42® | CORE CT

Quickly read and report Cardiac CT scans for assessment of coronary artery, plaque, calcium scoring, and function, powered by AI. Review and edit all automatically generated results with a streamlined user interface.



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

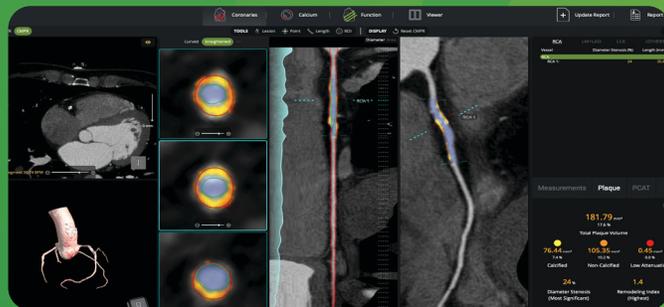
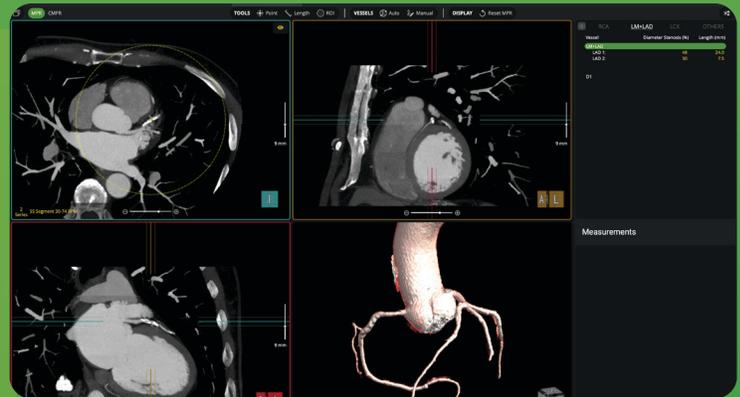




Read and report cardiac CT using server-side processing for assessment of coronary artery, plaque, calcium scoring, function, and myocardial deformation.

CT CORONARIES

- Zero-click segmentation and labeling of primary and secondary coronary arteries
- Automated detection of suspected coronary lesions
- Automatic 3D heart view generation for editing and quality assessment
- Lesion-level total occlusion marking
- Single- and dual-reference marker for stenosis calculation

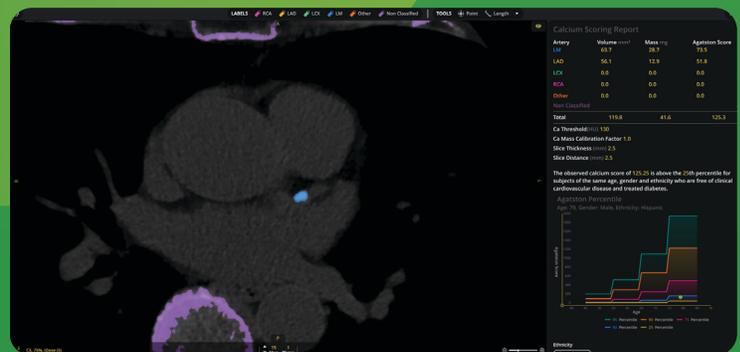


CT PLAQUE[†]

- AI-automated coronary lumen and wall segmentation
- Detailed assessment of calcified, non-calcified, and low-attenuation plaques
- Per-lesion and per-vessel plaque analysis
- Remodeling index assessment helps identify high-risk plaques beyond stenosis severity
- Enhanced coronary reporting

CT CALCIUM

- Zero-click calcium scoring segmentation via server-side pre-processing
- Automated quantification and categorization of calcified plaque in major coronary arteries in non-contrast enhanced CT images
- Automatically generate Agatston score for additional cardiac event risk stratification information^{††}



[†] Additional license required.

^{††} Stratification is for informational purposes only.



Read and report cardiac CT using server-side processing for assessment of coronary artery, plaque, calcium scoring, function, and myocardial deformation.

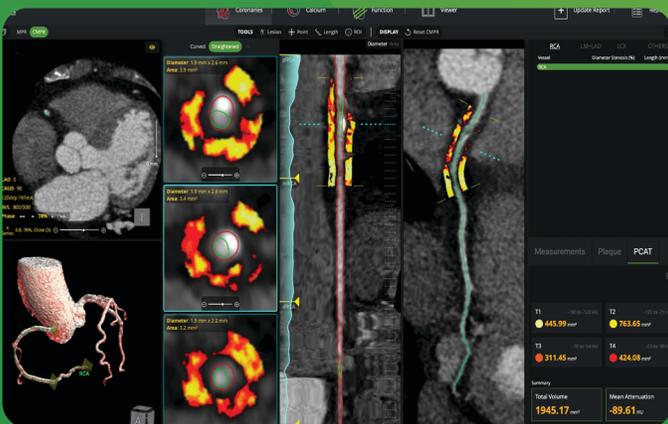
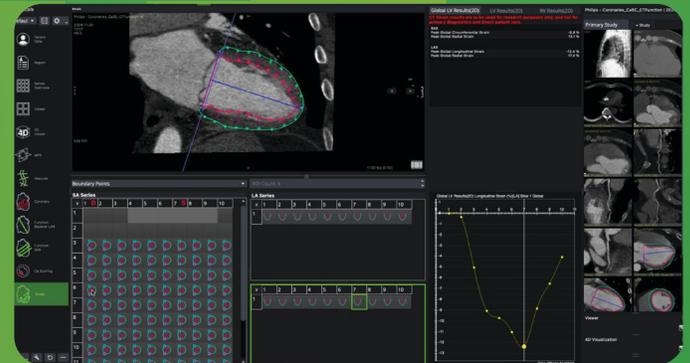


CT FUNCTION

- Server-side pre-processing and 3D-based, AI-driven cardiac function analysis
- User-friendly tools for manual editing, such as AutoFOV viewport alignment
- Endoluminal view and overlay hiding capabilities, enabling a clearer understanding of underlying anatomy
- Polar maps for wall thickness and motion

CT STRAIN^{†,††}

- AI-based re-slicing of multi-phase volumetric CT studies to create short-axis and long-axis series for strain assessment
- AI-based contouring of reformatted series
- Automated calculation of radial, circumferential and longitudinal peak strain, strain rate, displacement, velocity, torsion and torsion rate
- Easy to deploy and integrate smoothly into your existing clinical environment



PERICORONARY ADIPOSE TISSUE (PCAT)[†]

- Assess inflammation surrounding the vasculature for evaluation of coronary artery disease
- Adjustable thresholds, extents, and correction factors for flexible analysis
- Calculate total volume, volume per threshold, and mean attenuation

[†] Not for clinical use.
^{††} Additional license required.