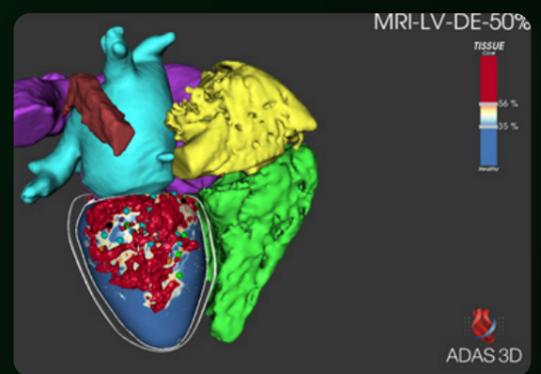
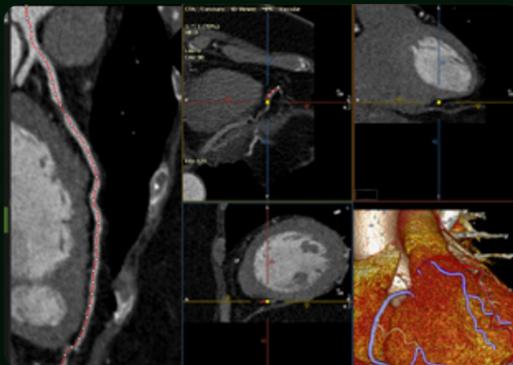
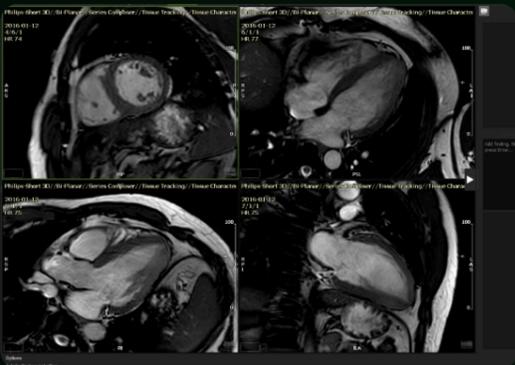


## v5.13 What's New

Delivering continuous innovation for efficient, accurate and optimized workflow. This new version includes enhancements based upon user feedback and feature requests from the imaging community.

### RELEASE HIGHLIGHTS

- New Smart Series functionality for faster results and smoother workflow
- Additional AI (Artificial Intelligence) one-click enhancements to reduce user correction time
- Improved Workflow and Reporting to intuitively reduce manual tasks
- Latest state-of-the-art improvements based on clinical requirements
- Enhanced Coronary Artery tools for faster assessment of vessels using CT
- Improved Quantitative Perfusion analysis to enable quicker analysis and reporting
- Enhanced ADAS 3D/cvi42 integration and new software functionality (version 2.8)



### SMART SERIES FUNCTIONALITY FOR AUTO-LOADING AND AUTO-CONTOURING

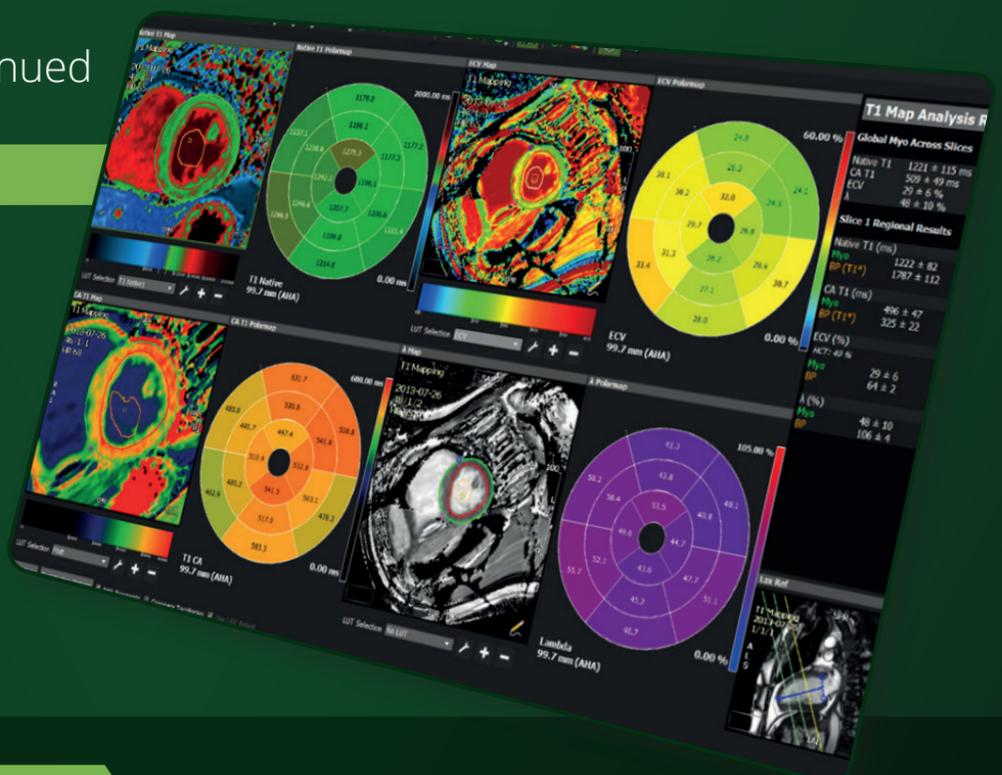
- AI automatically identifies images suitable for analysis
- Auto-loading within all Function modules
- Auto-contouring and automated ED/ES generation
- Automated identification signal intensity sequences and LAX reference cine



## v5.13 What's New continued

### ENHANCED AI ONE-CLICK CONTOURING

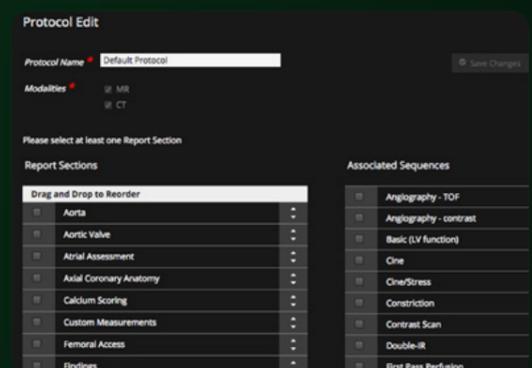
- Improved contouring detection for >1.4 mm/pixel resolution images
- AI contouring in native T1 and T2 maps
- Simplified LV (Left Ventricle) and RV (Right Ventricle) endocardial contouring to excluded trabeculations



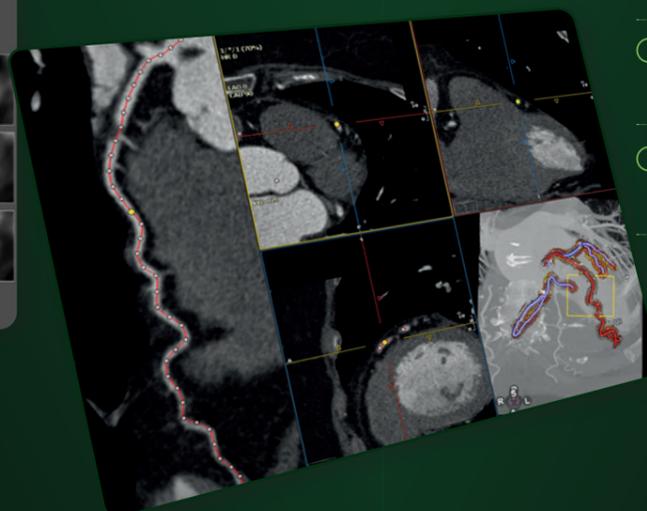
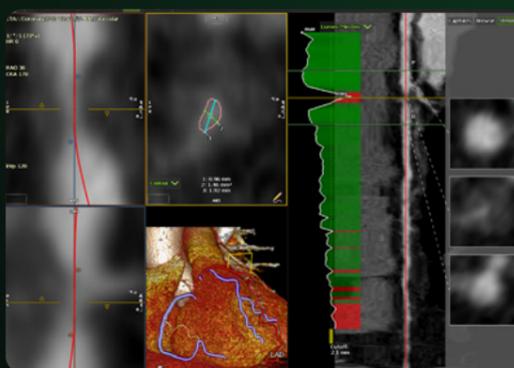
### WORKFLOW AND REPORTING IMPROVEMENTS

T1				Map Source : CircleCVI via SIEMENS   Method : T1 Map			
<b>GLOBAL</b>							
NAME	NATIVE T1	POST CONTRAST T1	ECV VALUE				
Myo	1221 ±115 ms	509 ±49 ms	29 ±6 ms				
<b>SLICE 1</b>							
NAME	NATIVE T1	POST CONTRAST T1	ECV VALUE				
Myocardiu m	1222 ±82 ms	496 ±47 ms	29 ±6 ms				
BloodPool	1787 ±112 ms	325 ±22 ms	64 ±2 ms				
<b>SLICE 2</b>							
NAME	NATIVE T1	POST CONTRAST T1	ECV VALUE				
Myocardiu m	1205 ±102 ms	523 ±43 ms	28 ±5 ms				
BloodPool	1740 ±135 ms	339 ±16 ms	62 ±6 ms				
<b>SLICE 3</b>							
NAME	NATIVE T1	POST CONTRAST T1	ECV VALUE				
Myocardiu m	1239 ±177 ms	520 ±54 ms	29 ±7 ms				
BloodPool	1741 ±159 ms	343 ±9 ms	63 ±1 ms				

- Automated phase synchronization between SAX and LAX cine references
- NEW onscreen and push reports for Tissue modules (T1 and T2)
- Additional options for multiple report headers (including logo support) and protocols
- Added digital signature support and customisable user role field for reporting
- Intuitive sorting of custom measurements and improved data choice within each report



### ADVANCED CORONARY ARTERY SEGMENTATION FOR CT (COMPUTED TOMOGRAPHY)

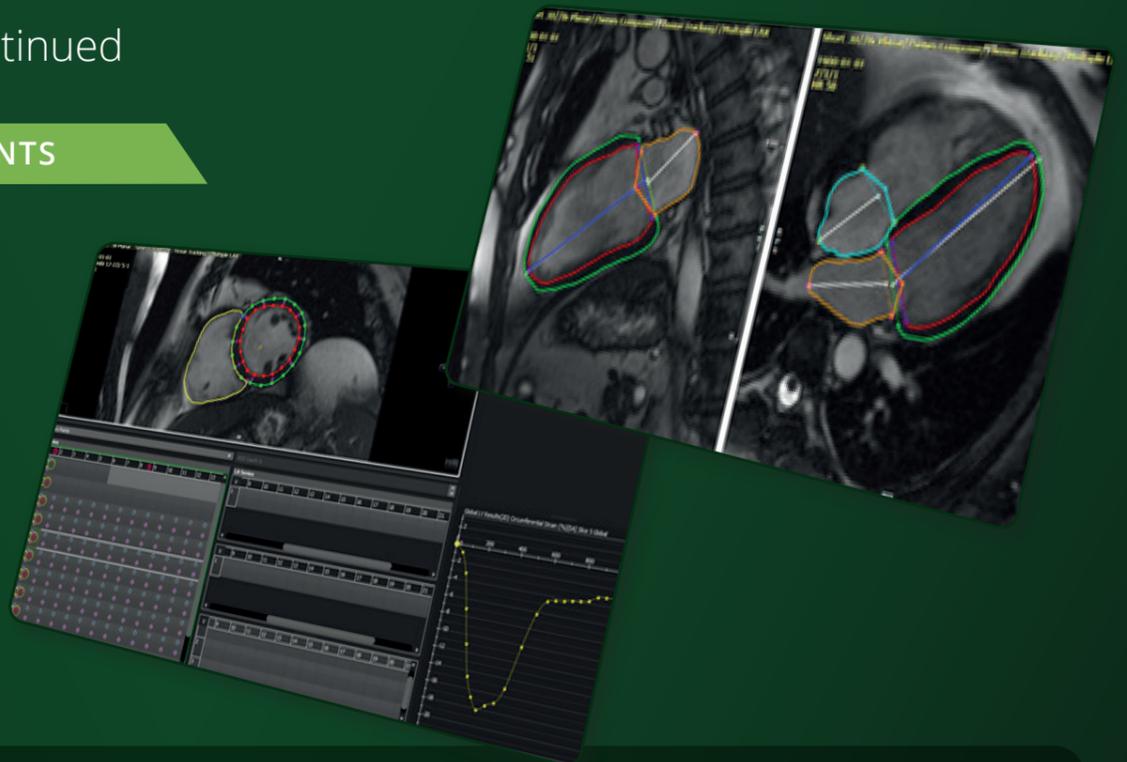


- Automated one-click segmentation
- Automated labelling of major coronary arteries
- Improved automatic detection, marking and measurement in vessel stenosis mode

## v5.13 What's New continued

### STATE-OF-THE-ART CLINICAL ENHANCEMENTS

- Incorporated LA (Left Atrium) and RA (Right Atrium) ejection fraction with referenced reporting
- New Valve displacement measurements - MAPSE (Mitral Annular Plane Systolic Excursion) and TAPSE (Tricuspid Annular Plane Systolic Excursion)
- Updated methods for static tissue offset correction and anti-aliasing correction within 2D Flow
- Enhanced Strain analysis\* using contours on multiple phases for improved accuracy



### IMPROVED QUANTITATIVE PERFUSION ANALYSIS\*



- Improved motion correction (MoCo) and contour detection
- New outliers removal from Myocardial Blood Flow (MBF) calculations
- Enhanced for faster processing and higher quality MBF results
- New QP (Quantitative Perfusion) polar maps and images added to enhance reporting

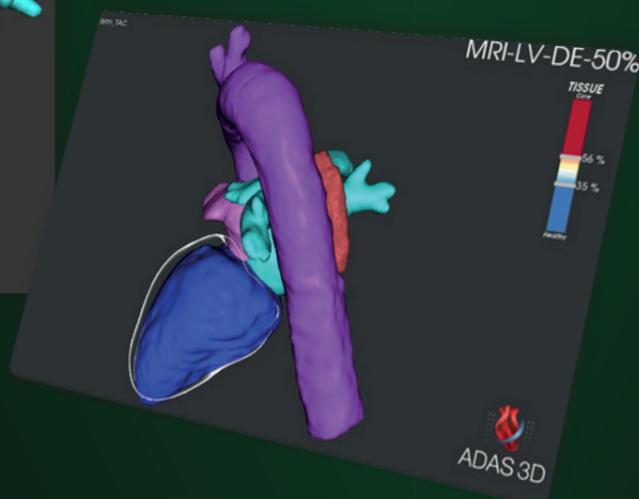
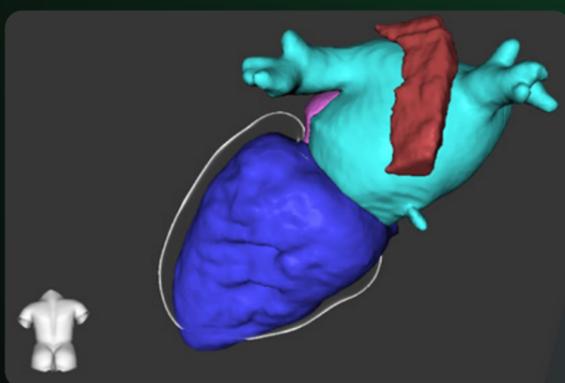
#### QUANTITATIVE PERFUSION

##### CORONARY TERRITORY AVERAGE

PARAMETER	LAD	RCA	LCX
Rest MBF (ml/g/min)	1.25	0.88	1.1
Stress MBF (ml/g/min)	1.55	0.74	1.07
Rest rMBF	0.91	0.64	0.8
Stress rMBF	0.9	0.43	0.62
MPR	1.34	0.84	1.03
rMPR	0.79	0.5	0.61

Rest Heart Rate 72 bpm      Stress Heart Rate 75 bpm

### ENHANCED ADAS 3D/ CVI42 INTEGRATION AND NEW AI FUNCTIONALITY (VERSION 2.8)



- New contour segmentation tools to extract multiple separate structures
- AI enhanced segmentation of left-sided chambers for CT heart anatomy extraction
- ADAS 3D acquired licenses are now sharable on any cvi42 enterprise workstations

\*Not available for clinical use in the USA.

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

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.

ADAS 3D is licensed and manufactured by Adas3D Medical and distributed by Circle CVI.



[www.circlecvi.com](http://www.circlecvi.com)



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