

cvi42®

v.6.1.2 (4156)

Release Notes

What's New in Version 6.1.2

Web Viewer

- Ability to modify function SAX contours and update function SAX results in the report
- Ability to add basic measurements (Line, ROI, Arrow) in the viewer, and send measurement data to the report
- Calcium scoring studies sent to cvi42 will automatically be processed and pre-populate the report with the analysis
- Ability to re-assign calcium scoring labels and update results in the report

Report

- New updated normal values for MR Function
- New Findings template tools for canned dropdown text
- Ability to export/import report templates
- Editable options in Valves and Flow section in report
- Updated CAD-RADS scoring to CAD-RADS v2.0

CORE CT

- New! FDA-cleared AI-automated cardiac CT function module
 - Server-side processing of studies
 - Simple and intuitive tools for editing or manual segmentations of the heart
- General workflow improvements for coronary analysis
 - Ability to change threshold for Low-density Non-Calcified Plaque
 - Additional options to save as DICOM Secondary Captures
 - Ability to send to PACS from within CORE CT
 - 3D rendering visual improvements

Aortic Valve

- Automated cusp points detection

Platform

- New icons – updated icons and colors throughout the application

Resolved Issues

The following list contains resolved usability related issues, in addition to all other internal issues resolved during the product development process.

Number	Summary
CV-25135	Saving DICOM SCs causes unexpected behaviours when using manual series in Strain
CV-24893	cvi42 Client crashes when loading secondary study

CV-24578	cvi42 client crashes when loading studies with inconsistent phase count
CV-26428	Strain rate and velocity are not calculated for certain enhanced DICOM studies
CV-26352	4D Visualization cannot be saved as Secondary Capture
CV-26346	No measurements are produced when defining open or closed spline
CV-26057	Secondary Capture acquired from scanner is pushed to the bottom of series thumbnail view
CV-26032	Sending analyzed DICOM data from PACS causes error and application to close
CV-25850	Changing cvi42 DICOM config of existing remote nodes keeps adding entries to report DICOM config
CV-25166	Previous workspace fails to load into cvi42 after upgrade
CV-25134	Custom measurements from unvisited MPR frames cannot get added to report when loading an existing workspace
CV-25133	HL7 discrete data is incorrectly spelled
CV-24874	Tissue T1: AHA checkbox does not save with the blue floppy disc icon
CV-24816	cvi42 Strain: Longitudinal Strain rate for AHA segments over time does not show in the scientific report
CV-24814	DICOM node parameters in Housekeeping are not preserved after upgrade
CV-24735	The cmr42hosts file is not updated properly after silent installation
CV-23716	cvi42 throws an error when anonymizing certain Philips Ingenia dataset
CV-23578	Turning Value/Height column off in the template still creates a gap in the report table
CV-24813	Daylight saving time adjustment might cause intermittent crashes
CV-24029	cvi42 Report is not case sensitive for user name with browser login

Known Issues

Number	Summary
CV-61	Changing the windows display scaling while cvi42 is running results in an erratic user interface <i>Workaround: After changing the system Windows Display Scaling, the cvi42 client should be restarted to correctly apply the changes.</i>
CV-146	Function SAX: Reference lines in the reference viewer are not displayed after switching the viewer from other modules with multiple screens <i>Workaround: Displaying the cine on SAX or LAX will bring the reference lines back.</i>
CV-1467	Flow 2D: Contour detection with threshold mode is erroneously enabled when flow colour overlay is active <i>Workaround: Turn off flow colour overlay when defining the vessel contour to better see vessel borders</i>
CV-1897	cvi42 Mitral Valve: After defining a contour on the same image plane of the annulus contour, the contour measurement will be reported in both regular measurements and with the annulus-related measurements <i>Workaround: User can delete the capture created</i>
CV-2200	cvi42 Mitral Valve: Measurement captures are not saved in the measurements panel when a MAC annulus is defined on the same image <i>Workaround: No workaround</i>
CV-2536	cvi42 Quantitative Perfusion: Refresh lag on Rest and Stress viewers in module when multiple users are reading the same study simultaneously <i>Workaround: Avoid multiple users opening the same study in Quantitative Perfusion module at the same time</i>
CV-3076	Function SAX module: Copying and pasting SAX reference points from one image to another is forwarding them to all the images. <i>Workaround: No workaround. Place a new reference point instead of pasting it</i>
CV-3479	Flow 2D module: ROI label below the images frames in the Comparison tab do not update if the user loads a new series with same contour type and no label. On-screen report and graph update the contour label and respective values as expected <i>Workaround: Give a label to the ROI contour of the new series</i>
CV-4727	cvi42 4D Flow: Rotate View and Preset Views don't work in 4K resolution. <i>Workaround: Reduce the display resolution of the system</i>
CV-4852	Function SAX module: Semi-automatic RV contour detection in the current phase does not work if one of the slices of that phase already has one or more RV contour(s) <i>Workaround: Use Ai detection or delete existing RV contour(s) in the selected phase</i>
CV-6966	cvi42 Report: Importing Findings/Summary Text in Structured Findings also imports Summary Text

	<i>Workaround: Delete the unnecessary Summary Text from the Structured Findings section in the Admin pages</i>
CV-6969	cvi42 client fails to start with multiple monitors on some laptop systems. <i>Workaround: Start cvi42 client on the second monitor, then move it to the main monitor</i>
CV-6970	cvi42 does not appear optimized on some high-resolution displays. <i>Workaround: Adjust the system display resolution or adjust the Display Scaling as needed</i>
CV-9429	cvi42 Report: Too many images causes extreme lag <i>Workaround: Delete report and send again</i>
CV-9665	Multiview cine playback slowdowns on Mac OS machines with AMD graphic cards <i>Workaround: Manually turn off image interpolation before playing multiview cine</i>
CV-9854	cvi42 Report: Text appears in front instead of behind buttons <i>Workaround: scroll past the header, the cvi42 Report header text is gone</i>
CV-10851	Module Femoral: Study specific femoral rendering issue <i>Workaround: Upgrade hardware/drive to meet the minimum system specification</i>
CV-10957	Certain workflow may result in patient data to not be automatically synced between cvi42 and r42 <i>Workaround: Updating the values via entering the Patient Data Module or manual editing in report42</i>
CV-11598	Flow 2D module: Auto Segmentation Flow sometimes results in poor contours <i>Workaround: Deselect and select the contour again, then press "Segment Flow Contour" to adjust the contour to the correct anatomy</i>
CV-13057	Tissue SI: LAX reference lines appear incorrectly sometimes in second LAX viewer <i>Workaround: Load a SAX series into the T2 frame or navigate to a different phase/slice</i>
CV-14462	cvi42 Strain: Exporting STL file doesn't work in Mac OS <i>Workaround: No workaround.</i>
CV-14490	cvi42 4D Flow: Contour detection is not triggered after re-activating "auto-contouring" options <i>Workaround: Activate one of the double-oblique cursors to trigger the contour detection or adjust the flow plane position</i>
CV-16643	cvi42 4D Flow: Mac Only - Region Growing cannot always be activated with cmd+g in Segmentation Page <i>Workaround: Use the context menu: Clipping - 3D Region Grow Clip to activate region growing.</i>
CV-17009	Enable Indication functions in CVI cause protocol save button to be greyed out <i>Workaround: None</i>
CV-21844	cvi42 Report: Patient Height, Weight, and BSA Index value might fail to send to report patient information section <i>Workaround: No workaround available.</i>

CV-21846	cvi42 Strain: Each run of Strain analysis may perform minor adjustment of the insertion point, resulting in small deviations in results when comparing subsequent runs <i>Workaround: Using the same original workspace will achieve the same results.</i>
CV-23551	Platform discrepancy in plaque analysis results <i>Workaround: None</i>
CV-24827	Tissue T1/T2: Number of skipped phases prioritizes classification-identified value over saved Protocol and workspace setting <i>Workaround: None</i>
CV-25546	Phase/slice number is cut off if too many series are combined <i>Workaround: no workaround</i>
CV-25547	cvi42 Report: Specific characters and keywords in the database might not be supported because of MSSQL script syntax issue <i>Workaround: Use a DB name without special characters.</i>
CV-25661	cvi42 CORE CT: Calcium data exists in report after reset report <i>Workaround: Reset report one more time removes old calcium data</i>
CV-25885	cvi42 4D Flow: Inverted color in Reference Point tooltip <i>Workaround: Users can still use the tool for flow reference points.</i>
CV-25987	cvi42 4D Flow: Certain Philips datasets fail to load <i>Workaround: Delete additional images between 4D Flow series or manually combine 4D Flow series.</i>
CV-26139	Mitral Valve: Clicking on neo-LVOT measurement loaded from a workspace will give incorrect viewport orientation <i>Workaround: None</i>
CV-26157	Valid ADAS 3D License is shown as invalid in cvi42 <i>Workaround: None</i>
CV-26342	Windowing is insensitive for high-contrast studies <i>Workaround: None</i>
CV-26436	Installers might take longer to present the user with the UAC dialogue <i>Workaround: None</i>
CV-26438	Non-Latin characters might not display correctly when entered in the Series Description field from Secondary Capture <i>Workaround: None</i>
CV-26457	cvi42 Strain: Non-default sub-pixel matrix size might cause polar map discrepancies across platforms <i>Workaround: None</i>

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For further information on installing/exchanging the dynamic libraries please contact Circle Cardiovascular Imaging support.

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