

cvi42®

v.6.1.3 (4337)

Release Notes

What's New in Version 6.1.3

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-27468	cvi42 4D Flow: Pathlines visualization does not update to use the correct mask
CV-27293	cvi42 Strain: Scientific report XML export has the wrong units for radial and longitudinal peak displacement

CV-27211	Tissue T2: "T2" heading is translated into "T1" in the on-screen report in Japanese
CV-27199	Tissue T1: Some Siemens studies unable to create new DICOMs when specific tags are missing
CV-27151	cvi42 CORE CT: Error displayed when opening studies with PET series
CV-27116	Web client cannot log in after enabling TLS in Gateway
CV-26985	cvi42 Report: Unable to send DICOM to PACS through HL7 exports
CV-26702	cvi42 Report: The Valves and Flow section may extend past and be cut off at the end of the page
CV-26559	cvi42 Report: HL7 outputs are not exported with the correct starting characters
CV-27450	cvi42 Report: Patient Information section may split up words onto separate lines

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-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-25654	cvi42 Quantitative Perfusion: Inconsistencies when using Gadovist and/or Pre-bolus <i>Workaround: None</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-26139	Mitral Valve: Clicking on neo-LVOT measurement loaded from a workspace will give incorrect viewport orientation <i>Workaround: None</i>
CV-26342	MPR: Improve min/max windowing range for frames when performing manual windowing adjustments for MR volumes <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>
CV-26627	MRA MIP radial reconstructions may not combine properly to allow smooth visualization <i>Workaround: None</i>
CV-26640	cvi42 Aortic Valve: Crash when cusp points are closer than 5 mm and the user goes to the annulus page <i>Workaround: Edit the points such that they are located correctly.</i>
CV-26945	cvi42 4D Flow: Specific Philips studies do not sort correctly <i>Workaround: None</i>
CV-27109	MPR: Rotational images generated in MPR do not sync their zoom levels <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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