

cvi42®

v.6.0.3 (4064)

Release Notes

What's New in Version 6.0.3

All-new cvi42 web client

- Browser-based access to cvi42 for image and report review
- Full analysis is still done on the workstation, but now user can log into cvi42 from the browser to view images, contours, and reports
- Edit and finalize reports from a browser
- Apply study tags to studies requiring further analysis
- Smart viewing features especially for CMR
 - Sort series by acquisition type in the series panel
 - Auto-view settings to automatically adjust pan, zoom, rotation to focus views on cardiac contours

Cardiac MR

- 2D LV Strain is now FDA-cleared for clinical use
- Server-side pre-processing of function and flow contours to save valuable time every time you open a study
- Automated detection of blood pool contours for T1 map analysis, saving time for ECV map generation
- Improved left ventricle segmentation accuracy for LGE image analysis (segmentation button now enabled by default)
- Updated list of flow measurement labels for more unified and consistent reporting

CORE CT

- Segmental plaque analysis to quantify calcified, non-calcified, and low-density non-classified plaque in the coronary arteries
- Usability improvements to the Coronaries module, including phase navigation in the curved MPR view, triangulation of MPR views by clicking a vessel in 3D, and more

Structural Heart

- Automated contour detection for the aortic annulus
- Smart contouring to place an ROI on a structure centered in the view

Platform

- Support for virtualized client deployment in Citrix vApp environments
- Automatic update of cvi42 clients for future cvi42 releases in client-server deployments

Report

- Results pushed from modules can no longer be manually edited/overridden in report to reduce risk of reporting errors
- Updated interaction for editing images in the report

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-26011	Secondary captures acquired from scanner is pushed to the bottom of series thumbnail view
CV-25884	Sending analyzed dicom data from pacs causes error and application to close
CV-25851	Changing cvi42 DICOM config of existing remote nodes keeps adding entries to report DICOM config
CV-25426	Saving DCM SCs causes unexpected behaviours when using Manual Series in Strain
CV-25231	Previous workspace fails to load into cvi42 after upgrade
CV-25178	cvi42 Strain: Longitudinal Strain rate for AHA segments over time does not show in the scientific report
CV-25162	Tissue T1: AHA checkbox does not save with the blue floppy disc icon
CV-25156	cvi42 Client crashes when loading secondary study
CV-25017	DICOM node parameters in Housekeeping are not preserved after upgrade
CV-24965	cvi42 client crashes when loading studies with inconsistent phase count
CV-24931	The cmr42hosts file is not updated properly after silent installation
CV-24573	cvi42 crashing when opening attached study

Known Issues

Number	Summary
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CV-23551	Platform discrepancy in plaque analysis results <i>Workaround: None</i>
CV-20775	Derived series are not server processed <i>Workaround: None</i>
CV-10851	Module Femoral: Study specific femoral rendering issue <i>Workaround: Upgrade hardware/drive to meet the minimum system specification</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-9429	cvi42 Report: Too many images causes extreme lag <i>Workaround: Delete report and send again</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-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-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-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-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-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-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-18746	cvi42 Report: After migration, the old default header images are no longer present <i>Workaround: User can add the header back into the report after migration is finished.</i>
CV-18332	XML reports are much longer than previous cvi42 versions <i>Workaround: None</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-14462	cvi42 Strain: Exporting STL file doesn't work in Mac OS <i>Workaround: No workaround.</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-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-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-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-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-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-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-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-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-25987	Philips 4D Flow dataset loading issue <i>Workaround: Delete series 4906 or manually combine 4d flow series.</i>
CV-25906	Web View: Calcium report results are being overwritten when accessing a study on web without first loading the accompanying DICOM workspace. <i>Workaround: A DICOM workspace of the Jr. changes need to be available in the series so that the Sr. can load his results and review that</i>
CV-25885	Inverted color in Reference Point tooltip in 4D flow module <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-24827	Tissue T1/T2: Number of skipped phases prioritizes classification-identified value over saved Protocol and workspace setting <i>Workaround: None</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-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-20055	Integrate QP with disabled CPU intrinsic on OpenCV3 to improve platform consistency <i>Workaround: None</i>

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