

cvi42®

v.6.0.1 (3832)

Release Notes

What's New in Version 6.0.1

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-24262	cvi42 server shows artifacts of Multi-Server in configuration files
CV-24228	DICOM Character Encoding "ASCII" is missing from the Network tab in web configuration
CV-24227	The ability to restrict a Remote DICOM Node access to certain roles is missing in the web configurator
CV-24216	Report has no MR sections without an advanced license after fresh install/upgrading with PPU license
CV-24109	cvi42 Report throws a permission error on certain Philips cases
CV-24051	Patient age is replaced by patient birth date on the Calcium Scoring Agatston Graph
CV-24034	Series sorting might fail if DICOM SR shows up as the first series
CV-23918	cvi42 does not show previews / image data on certain studies
CV-23898	Automatic sorting failed on certain Siemens cases
CV-23604	Some time zone settings can cause cvi42 Report login to fail
CV-23327	cvi42 Mitral Valve: User is not able to use STL files in Mitral Valve module
CV-23212	User with correct credentials unable to login/authenticate with integrated report after a failed authentication
CV-22950	Migration fails under certain permission preset

CV-22905	Server crashes when PPU study count drops below 20
CV-22706	Upgrade notification appears on first launch regardless of client version
CV-22699	cvi42 uninstallation impossible without manual certificate addition
CV-22584	Silent Client Install Custom Installation does not work on non-C drive
CV-22441	cvi42 crashes when a secondary study is unloaded and modules are switched
CV-22157	Cine play is jittery when phase sync enabled while cine is playing
CV-22053	cvi42 Report: Report canned text values are not displayed with black text
CV-22016	Function SAX: United Imaging SAX cine series didn't show up in the thumbnail viewer after sorting
CV-21839	cvi42 Mitral valve: Area and PE measurements missing issue when clicking on capture
CV-21694	cvi42 Flow 2D: Correction Overlays do not display properly on either VENC or magnitude images in Philips 2D Flow studies
CV-21676	cvi42 4D Flow: Series loading performance degradation on loading up to accessing the preprocessing page
CV-21592	cvi42 Flow 2D: Anti-aliasing is different between 5.13.9 and 5.17.0 with specific study
CV-21591	cvi42 Strain: Strain analysis crashes on specific LAX cine series
CV-21117	Patient Info Sub-Header Formatting is Inconsistent
CV-20976	User is not able to launch cvi after upgrading to 5.16
CV-20819	LDAP Usernames are not case-sensitive allowing multiple users to be created under Server Admin for the same LDAP credential
CV-19672	cvi42 Report: When no advanced license is installed, webserver shows "No License" instead of "CVI License"

Known Issues

Number	Summary
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-24029	cvi42 Report is not case sensitive for user name with browser login <i>Workaround: None</i>

CV-23998	Flow visualization/results from specific Siemens 4D Flow cases might not be accurate <i>Workaround: None</i>
CV-23773	Flow 4D Module: Pathline visualization may be inaccurate on certain Philips cases <i>Workaround: Invert Z direction</i>
CV-23716	cvi42 throws an error when anonymizing certain Philips Ingenia dataset <i>Workaround: Only known partial workaround is to delete the DCM workspace prior to anonymization. The user then has to re-analyze the study to save a new DCM workspace with the new UIDs.</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: None</i>
CV-21844	cvi42 Report: Patient Height, Weight, and BSA Index value might fail to send to report patient information section <i>Workaround: None</i>
CV-20055	Integrate QP with disabled CPU intrinsic on OpenCV3 to improve platform consistency <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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