

cvi42®

v.5.17.0 (3372)

Release Notes

What's New in Version 5.17.0

cvi42 | CORE CT

Coronaries

- Automated coronary labeling of secondary coronary branches
- Easily add and extend vessel centerlines on the 3D view
 - Automatically add a centerline by clicking on a new vessel
 - Extend vessel centerlines by dragging the endpoint of a segmented vessel to a new endpoint
- Ability to show a single vessel centerline and hide others for easier visualization and editing
- Added ROI tool for basic area measurements in MPR views. Measurements include area, perimeter, and diameter.
- Ability to vertically flip a curved MPR view
- Export rotational batch of straightened vessel view
- Removed obscuring vessel centerline annotation from automated curved MPR captures in the report

Calcium

- Calcium labeling edits made on an image now propagate to neighboring slices
- Ability to edit the calcium threshold and mass calibration factor
 - Note: Editing the calcium threshold will reset all contours including manually defined contours.
- Added text description of calcium score and percentile in the data panel and in the report
- Export calcium-annotated images along with calcium score result table as DICOM secondary capture

Miscellaneous

- A notification will be shown when a new release of cvi42 is available

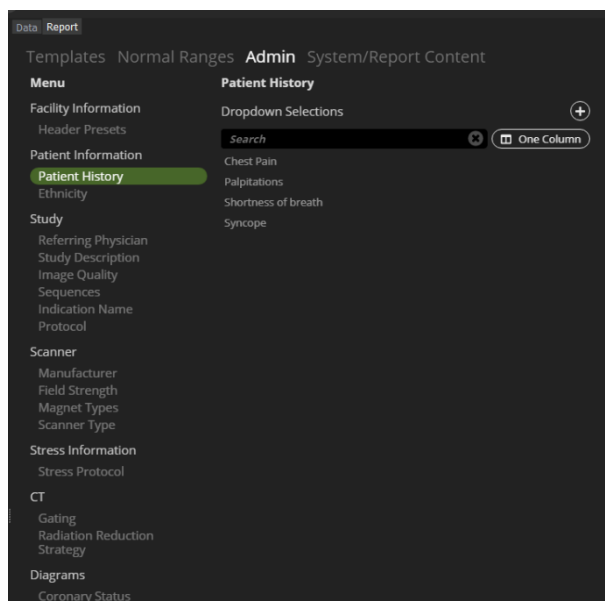
cvi42 | 4D Flow

- The loading of Philips studies from the Study List is up to 10 times faster
- The loading and preparation of series in the 4D Flow module is around 30% faster *

*Performance improvements depend on vendor, study size and hardware

Report

- CAD-RADS results now included in HL7 and bulk csv export
- Calcium score percentile value (%) can be displayed in the report
- Users have access to all the configuration options in the *Admin* section



Installer

- Simplified installer now observes custom information from prior installations for data storage, report, ports, etc., to streamline installation process
- IT administrators can enable automatic client updates for future cvi42 releases

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-20873	cvi42 Report: Left and Right Atrial EDV and Normal Range Insert Values not populating in Report Summary and Findings Sections
CV-20861	When creating new DICOM, study map resorts and user loses workspace data
CV-20825	Node42 is not processing if the study contains unsupported images
CV-20824	cvi42 Report: LV Report Section is mislabeled for Polar Maps
CV-20709	cvi42 Server might crash when reading multi-frame files
CV-20681	Open a secondary study crashes client

CV-20645	Patient List: Misleading translation issue on report status
CV-20624	ADAS floating license server is missing
CV-20572	SV/BSA and SV/H translations are incorrect in some languages
CV-20569	Error occurs while importing study with specific character sets
CV-20505	Tissue T1 module: cvi42 crashes when performing registration with intensity-based registration
CV-20475	cvi42 Report: AD password change requires users to retype their new password in cvi42 for authentication
CV-20288	Tissue T1 and T2 modules: LAX auto-loading does not work as expected
CV-20287	Tissue T1 module: Autoloading might not be accurate with certain studies
CV-20267	cvi42 Flow 4D: Specific large Philips studies may cause memory leak
CV-20243	Bind account password may be found in plain text in logAccess and logTrace
CV-20230	When server-side processing is enabled/disabled on the web configuration portal, change is not reflected in cvi42 preferences
CV-20094	cvi42 Quantitative Perfusion: Error may be given for specific QP series in Rest column
CV-20067	cvi42 T1 & T2: For non-parallel slice acquisitions T1 and T2 mapping AHA values changing when changing slices
CV-19969	cvi42 Report: Normal Ranges for Early Gd Enhancement Ratio and T2 Ratio missing
CV-19084	cvi42 4D Flow: Slow loading of Philips 4D Flow studies
CV-18466	cvi42 4D Flow: Loading workspace does not work unless user drags in the series
CV-17469	Function SAX module: AI RV contouring detects pap muscles only if 4x4 sub-pixel matrix size is set
CV-15736	cvi42 4D Flow: Extremely large 4D Flow studies are not able to run analysis in module after update to v5.13.9

CV-5120 cvi42 | 4D Flow: Loading data takes a long time the first time

Known Issues

Number	Summary
CV-21095	cvi42 CORE CT - Calcium module: May crash when selecting large regions of the spine with the calcium module on Intel Mac <i>Workaround: None</i>
CV-20883	cvi42 CORE CT - Calcium module: Autoloading on certain series might not be accurate <i>Workaround: Manually drag in Calcium scoring series</i>
CV-20871	cvi42 CORE CT: General Preferences missing "Done" option unless full screen in Mac <i>Workaround: Maximize the window to see buttons at the bottom of the screen.</i>
CV-20819	LDAP Usernames are not case-sensitive allowing multiple users to be created under Server Admin for the same LDAP credential <i>Workaround: None</i>
CV-20775	Derived series are not server processed <i>Workaround: None</i>
CV-20752	Modules with reference viewers: Reference line may carry over to Viewer module <i>Workaround: Change phase or slice in any other viewer in the Viewer module to remove the reference lines.</i>
CV-20570	User is not able to crop or cut volume mask properly on secondary monitor when one monitor is high DPI on Mac <i>Workaround: Use primary monitor for cutting and cropping.</i>
CV-20535	cvi42 Report: Calendar dropdowns produce white flashing on high DPI monitors <i>Workaround: None</i>
CV-19932	cvi42 Report: Displaying results when data is pushed from Function BiPlanar module may be slightly delayed with multi monitors <i>Workaround: None</i>
CV-19672	cvi42 Report: When no advanced license is installed, webserver shows "No License" instead of "CVI License" <i>Workaround: None</i>
CV-18911	cvi42 CORE CT - Calcium module: Modified age on cvi42 Report is not reflected on calcium graph for manually entered study date <i>Workaround: None</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-14462	cvi42 Strain: Exporting STL file doesn't work in Mac OS <i>Workaround: No workaround.</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-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-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-4739	User with no Delete Study Data and Export Study Data permission shows error on ADAS 3D exit <i>Workaround: User must be assigned these permissions in order to work on ADAS 3D</i>
CV-3778	Loading old studies are slower the first time after a system upgrade <i>Workaround: None</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-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-146

Function SAX: Reference lines in the reference viewer are not displayed after switching the viewer from other modules with multiple screens

Workaround: Displaying the cine on SAX or LAX will bring the reference lines back.

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

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