

What's New in Vitrea® Advanced Visualization Version 7.16

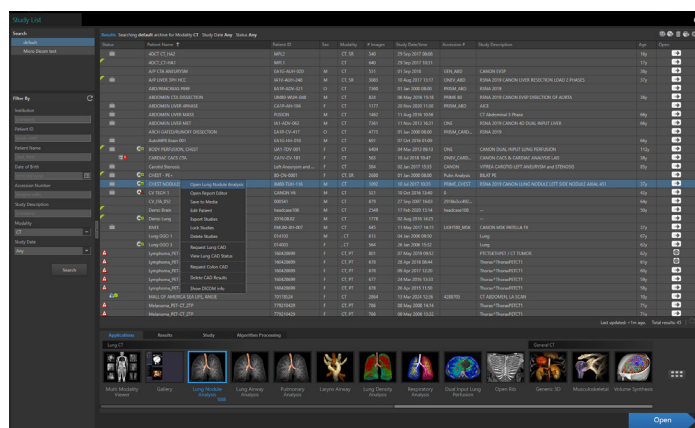
In addition to our current Vitrea Advanced Visualization applications, we continue to improve and enrich our clinical offerings across all modalities.

New Features and Enhancements

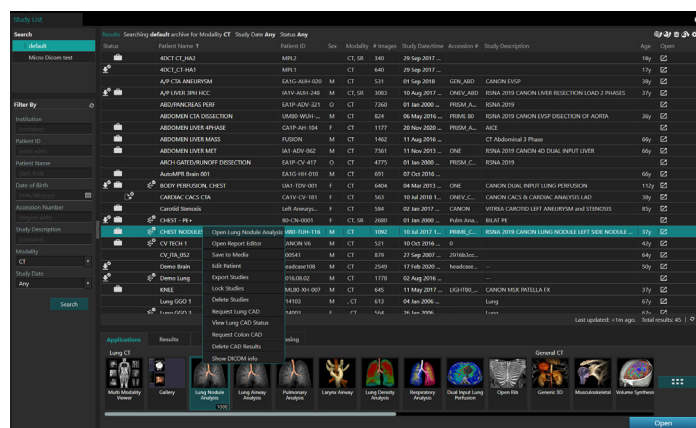
User Interface Updates

- Vitrea Advanced Visualization has a new user interface for the Study List and +Tab. Visual changes have been made to bring Vitrea AV more in line with other Canon Medical products.
- Study List and +Tab now display with new colors and fonts.
- Enhanced status icons and updated pop-ups.
- Updated dialog and context menus (Edit Patient, Anonymize Patient, Export Dialog, Study List Settings menu).
- Updated dropdown menus and button styles.

Note: The new user interface changes for the Study List and +Tab are cosmetic/visual and no functionality is removed. The new Study List replaces the existing Study List. The Clinical Applications, Admin page and Media Manager continue to use the previous user interface.



Old



New

Clinical Enhancements

- Improvements to the carotid and vertebral vessel workflow.
 - The segmentation algorithm has been improved for better vessel initializations with the vertebral arteries extending superiorly closer to the basilar bifurcation and inferiorly to the aortic arch.
- Users can now generate a DICOM SR output from the CT VScore™ application.
 - In addition to the coronary calcium quantification, the DICOM SR output also includes fields but not limited to calcium scoring guideline (MESA, HOFF etc.), slice thickness, calcium scoring density threshold, etc.
 - Integration of DICOM SR output into other PACS/EMR or reporting systems requires custom integration work with the other vendor depending on their ability to support DICOM SR formats.
- Usability improvements to Perivascular CT Density functionality:
 - Batch or movie rotation includes a cover page that contains color key for referencing various density levels in the Perivascular coronary regions.
 - This is also reflected in the SUREPlaque™ functionality as well.
 - Automatic saving of Histogram dialog box location and size to ensure user viewing preference is saved with the result viewing/generating functionality.

External Integration (Conduit) Persists Last Used Monitor

- Users want their multi-monitor layout to be consistent once set. The monitor a user selects is now persistent for external integrated launches.

Note: Previously, users would have to move and resize the Vitrea AV window on every launch.

Administration, Integration and Security Enhancements

- Workflow improvements in transferring user presets.
 - Enabling easier transition of modified user presets from Vitrea AV version 7.15.x to version 7.16.0 or later via automation during upgrades.
- DICOM transfer syntax support – The DICOM SCP has been updated to support receipt of the JPEG-LS (.80) transfer-syntax.
- Upgrade Improvements to keep the existing TLS 1.2 configuration in place during an upgrade.
- 1K Dataset Support – Configuration details have been added to our documentation to support 1K data on an Enterprise Single Server (ESS) deployment.
- Architectural improvements
 - Improvements to Retrieved DICOM Lifecycle Management.
 - The traditional manner to manage imaging data within Vitrea has been updated to a more modern framework.
 - New StudyTracker service replaces VSPNotificationService and provides improved reliability for data management. This modernization efforts also bring improved security.
- The new Nvidia drivers were assessed against our render benchmark testing to ensure they support our rendering engine and algorithms. This resolves a number of security issues found in the Nvidia drivers.

Partner Integration Enhancements

The following enhancements are now included within our partner integrated versions in Vitrea Advanced Visualization:

Medis® Suite Cardiovascular MR

The Medis Suite version 4.0.62.4 is integrated into Vitrea AV 7.16.

- Windows server 2022 is now supported.
- QMass enhancement:
 - Improved module detection; recognition for function short and long axis analysis in QMass based on the series loaded.
- QStrain enhancements:
 - Automatically mirroring of the series applied when needed to correctly display the bull's eye plot for regional results.
 - Long axis images for LV are being recognized, leading to automatic filling of the thumbnails.
 - Contour editing is enriched:
 - Rubberbanding is added to precisely adapt the contours.
 - Shortcuts are added for moving the contours, smoothing the contour, and undo/redo the contour changes.

Visia™ CT Lung CAD by MeVis™ Medical Solutions

- The MeVis Visia Lung CAD by MeVis Medical Solutions version 5.8.2 update removes end of life software and POSTGreSQL 9.5.
- This update also removes Windows Server 2012 R2 support.

Olea Sphere®

Olea Sphere version 3.0 SP33.1 is integrated into Vitrea Advanced Visualization version 7.16.

Note: Olea Sphere version 3.0 SP33.1 is the same version of Olea Sphere that was integrated into the last version of Vitrea AV 7.15.x.

Partner Integration Applications

All partner applications are available from all deployments (workstation, extend, enterprise – including enterprise single server). Canon Medical integrates the latest versions from its partners.

Product	Version
4DM by INVIA	2018.0.0.180
Cedars Cardiac Suite	2017.10
iCAD VeraLook® CT Colon CAD	1.1.10 for US and 1.1.5 for OUS
Medis Suite Cardiovascular MR	<div> <div> Medis® Suite 4.0.62.4 QMass® 8.1.160.6 QFlow® 8.1.160.4 </div> <div> QFlow 4D® 1.1.88.2 QStrain 4.3.6.2 </div> </div>
Mirada Nuclear Medicine	4.4.4
Mirada Oncology Fusion	3.6.11
Mirada RTx	1.8.6
NeuroQ™	3.80
TOMTEC	2.51
Visia™ CT Lung CAD by MeVis™ Medical Solutions	5.8.2

Vitre Lifecycle Updates: As Canon Medical continues to develop value added solutions that enhance your organization’s patient planning, important product lifecycle notifications will keep you informed about any changes to the software solutions. For Vitrea product lifecycle information visit: mi.medical.canon/support-and-education/customer-support/product-lifecycle.

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