v5.13 What’s New

Delivering continuous innovation for efficient, accurate and optimized workflow. This new version includes enhancements based upon user feedback and feature requests from the imaging community.

RELEASE HIGHLIGHTS

- New Smart Series functionality for faster results and smoother workflow
- Additional AI (Artificial Intelligence) one-click enhancements to reduce user correction time
- Improved Workflow and Reporting to intuitively reduce manual tasks
- Latest state-of-the-art improvements based on clinical requirements
- Enhanced Coronary Artery tools for faster assessment of vessels using CT
- Improved Quantitative Perfusion analysis to enable quicker analysis and reporting
- Enhanced ADAS 3D/cvi42 integration and new software functionality (version 2.8)

SMART SERIES FUNCTIONALITY FOR AUTO-LOADING AND AUTO-CONTOURING

- AI automatically identifies images suitable for analysis
- Auto-loading within all Function modules
- Auto-contouring and automated ED/ES generation
- Automated identification signal intensity sequences and LAX reference cine
ENHANCED AI ONE-CLICK CONTOURING

- Improved contouring detection for >1.4 mm/pixel resolution images
- AI contouring in native T1 and T2 maps
- Simplified LV (Left Ventricle) and RV (Right Ventricle) endocardial contouring to excluded trabeculations

WORKFLOW AND REPORTING IMPROVEMENTS

- Automated phase synchronization between SAX and LAX cine references
- NEW onscreen and push reports for Tissue modules (T1 and T2)
- Additional options for multiple report headers (including logo support) and protocols
- Added digital signature support and customisable user role field for reporting
- Intuitive sorting of custom measurements and improved data choice within each report

ADVANCED CORONARY ARTERY SEGMENTATION FOR CT (COMPUTED TOMOGRAPHY)

- Automated one-click segmentation
- Automated labelling of major coronary arteries
- Improved automatic detection, marking and measurement in vessel stenosis mode
STATE-OF-THE-ART CLINICAL ENHANCEMENTS

- Incorporated LA (Left Atrium) and RA (Right Atrium) ejection fraction with referenced reporting
- New Valve displacement measurements - MAPSE (Mitral Annular Plane Systolic Excursion) and TAPSE (Tricuspid Annular Plane Systolic Excursion)
- Updated methods for static tissue offset correction and anti-aliasing correction within 2D Flow
- Enhanced Strain analysis* using contours on multiple phases for improved accuracy

IMPROVED QUANTITATIVE PERFUSION ANALYSIS*

- Improved motion correction (MoCo) and contour detection
- New outliers removal from Myocardial Blood Flow (MBF) calculations
- Enhanced for faster processing and higher quality MBF results
- New OP (Quantitative Perfusion) polar maps and images added to enhance reporting

ENHANCED ADAS 3D/ CVI42 INTEGRATION AND NEW AI FUNCTIONALITY (VERSION 2.8)

- New contour segmentation tools to extract multiple separate structures
- AI enhanced segmentation of left-sided chambers for CT heart anatomy extraction
- ADAS 3D acquired licenses are now sharable on any cvi42 enterprise workstations

*Not available for clinical use in the USA.

Brief Summary: Indications, contraindications, warnings and precautions can be found in the product labelling.

CAUTION: Federal law (USA) restricts these devices for sale by, or on the order of a physician. The system is intended for use only by trained Healthcare Professionals.

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