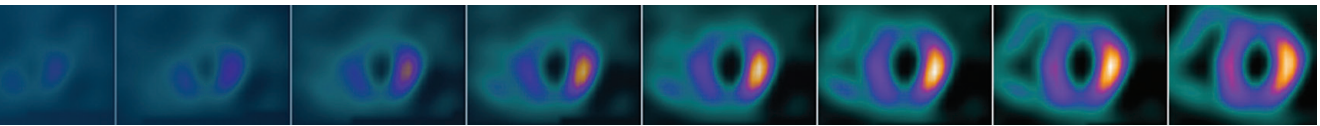
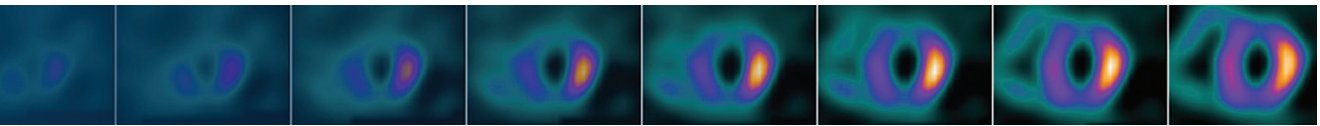


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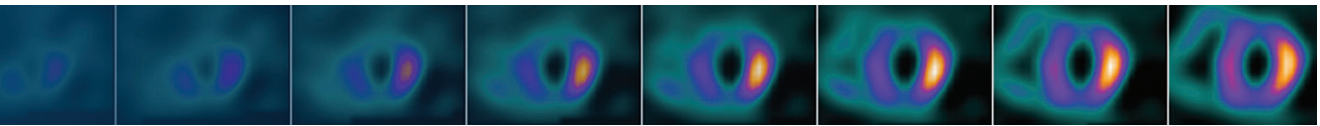
4DM Feature	Description	Clinical Value	New	Enhanced	Version
Image Reconstruction	<ul style="list-style-type: none"> Reconstruct volumetric images from nuclear medicine tomographic projection data 	<ul style="list-style-type: none"> Integrates reconstruction capabilities into 4DM Perform standard SPECT reconstruction processing for one-to-four datasets on a single screen Includes reconstruction filter adjustments, reorientation controls, output orientation controls, and more. 	X		2010
Coronary Flow Reserve Screen	<ul style="list-style-type: none"> Process and review dynamic cardiac PET datasets 	<ul style="list-style-type: none"> Estimate absolute myocardial blood flow and coronary flow reserve (CFR) for Rb-82 tracer Additional tools for the assessment of perfusion abnormalities 	X		2010
MUGA Screen	<ul style="list-style-type: none"> Process and review gated planar datasets 	<ul style="list-style-type: none"> Quantify the ejection fraction of gated planar datasets (8 – 32 frames) Process studies automatically or manually Time Activity Curve: assess dropped counts Result Table: review quantitative information including diastolic function parameters. 	X		2010
Quantification Map	<ul style="list-style-type: none"> Perfusion Defect Severity Quantification 	<ul style="list-style-type: none"> Quantifies the extent and severity of the perfusion defect size 		X	2010
Screen Controls	<ul style="list-style-type: none"> Updated graphical user interface with icons and tool tips 	<ul style="list-style-type: none"> Improves multiple-language support Provides consistent screen controls and better use of screen real estate 		X	7.0
Data Export User Preferences	<ul style="list-style-type: none"> Enhanced functionality and configurability for <ul style="list-style-type: none"> Save Data Preferences Screen Capture Preferences 	<ul style="list-style-type: none"> Users can define global settings for saving data and taking screen captures, eliminating the need to define the same preferences for every patient study 		X	7.0
Save Results	<ul style="list-style-type: none"> Enhanced format of 4DM saved result files 	<ul style="list-style-type: none"> Improved compatibility with PACS Improved compression for storage 		X	7.0

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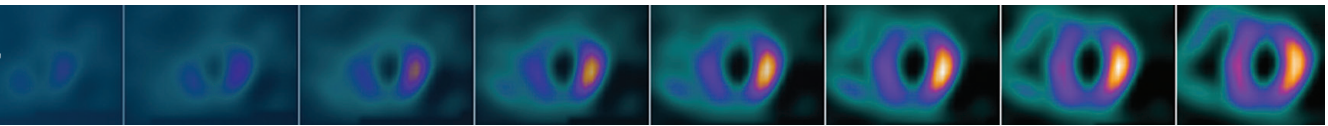
4DM Feature	Description	Clinical Value	New	Enhanced	Version
Dyssynchrony Screen	<ul style="list-style-type: none"> Assesses the phases of contraction for the left ventricle: <ul style="list-style-type: none"> Contractility Histogram: Plots the time to peak contraction expressed as a percent of the R-R frame within the left ventricle Contractility 2D and 3D Polar Maps: Displays the quantitative time to peak contraction values 	<ul style="list-style-type: none"> Analysis of regional and global contraction patterns in the left ventricle can help identify those patients who may benefit from Cardiac Resynchronization Therapy Use retrospectively to analyze prior studies for dyssynchrony 	X		6.1
Polar Map and 3D Object Screen Controls	<ul style="list-style-type: none"> Time to Peak Thickening: Displays the time to peak wall thickening for gated studies Time to Peak Contraction: Displays the time to peak contractility for gated datasets 	<ul style="list-style-type: none"> Assess dyssynchrony within standard 4DM review screens 		X	6.1
Nuclear Medicine Viewer	<ul style="list-style-type: none"> Now supports Whole Body datasets 	<ul style="list-style-type: none"> Single-application support for general nuclear medicine studies 		X	6.1
Screen Control Panel Updated	<ul style="list-style-type: none"> The Fusion Overlay drop-down menu is now accessible on the Screen Control Panel for applicable screens 	<ul style="list-style-type: none"> Streamlines the workflow improving clinical efficiency 		X	6.1
Nuclear Medicine (NM) Viewer	<ul style="list-style-type: none"> A new screen, labeled NM Viewer, displays up to 16 NM datasets at a time Allows review of non-cardiac NM datasets 	<ul style="list-style-type: none"> Review the following DICOM datasets: Tomo, Gated Tomo, Dynamic, Gated Planar, Static Calculate Lung/Heart ratios 	X		6.0
Calcium Overlays on 2D and 3D Polar Maps	<ul style="list-style-type: none"> Integration of the calcium overlay options for all 2D and 3D Polar Map Screen Objects 	<ul style="list-style-type: none"> Users can view the location of calcium deposits in relation to perfusion defects 	X		6.0
CTA Overlays on 2D and 3D Polar Maps	<ul style="list-style-type: none"> Integration of the Coronary Vessel Fusion Overlay options for all 2D and 3D Polar Map Screen Objects 	<ul style="list-style-type: none"> Users can view the location of coronary vessels in relation to perfusion defects 	X		6.0
Viability Screen	<ul style="list-style-type: none"> New screen for the review of SPECT and/or PET viability studies 	<ul style="list-style-type: none"> Integrates the quantification of viable tissue in a single application for both PET and SPECT to provide a better noninvasive prediction of Cath results 	X		6.0
Tomo Screen Object tools and controls	<ul style="list-style-type: none"> Temporal and Spatial Filtering added to Tomo QA Screen (previously named the Raw QC Screen) ROI tools available on new NM Viewer Screen 	<ul style="list-style-type: none"> Apply filtering within 4DM to improve image visualization Generate heart-to-lung ratios 	X		6.0

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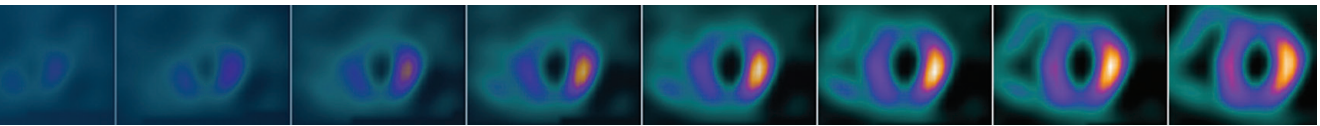
4DM Feature	Description	Clinical Value	New	Enhanced	Version
Workflow Customization	<ul style="list-style-type: none"> • Within Preferences: <ul style="list-style-type: none"> – Screen Selection Panel can be easily configured according to user’s clinical workflow for MPI, AC MPI, CTAC MPI, SPECT Viability, PET Viability studies. – Screen and Study Layout options now integrated on a single page (Study Layout renamed as Dataset Layout) – Screens renamed to reflect the type of image review; screen templates reflect INVIA-defined display layouts – Simplified the creation of user-defined screens and templates – Additional dataset priorities and new assignment tool simplifies defining which datasets appear on each screen 	<ul style="list-style-type: none"> • Minimizes the number of “clicks” required to activate a workflow tailored for datasets being reviewed • Maximizes user-customization options 		X	6.0
User’s Guide	<ul style="list-style-type: none"> • Updated Corridor4DM User’s Guide 	<ul style="list-style-type: none"> • Now includes examples of commonly used workflows; an entire chapter dedicated to user controls; and user tips 		X	6.0
Native Language Support	<ul style="list-style-type: none"> • Product now available in English, French, German, Spanish, Italian, Chinese, and Japanese 	<ul style="list-style-type: none"> • Improves clinical use by mitigating potential errors as a result of language barriers 		X	6.0
Additional Dataset Support	<ul style="list-style-type: none"> • Nuclear Medicine Tomographic (Tomo), Gated Planar, Dynamic, and Static datasets • Dynamic PET data in transverse, SA, HLA, or VLA • GE Advance workstation CTA Coronary Vessel files 	<ul style="list-style-type: none"> • Enhances the versatility of 4DM by increasing the number of accepted supported files • May require the purchase of optional license 		X	6.0
Colorbar Controls	<ul style="list-style-type: none"> • NM Colorbars brightness and background limits now extend beyond 0 and 150. • CT Colorbars provide color selection 	<ul style="list-style-type: none"> • Allows users greater control within the brightness and background slider. Improves co-registration of two CT datasets 		X	6.0
Increased Screen Capture Support	<ul style="list-style-type: none"> • Now supports 8-bit DICOM screen captures in addition to the previously supported 24-bit DICOM screen captures 	<ul style="list-style-type: none"> • Allows users to review DICOM screen captures from prior studies for comparison 		X	6.0

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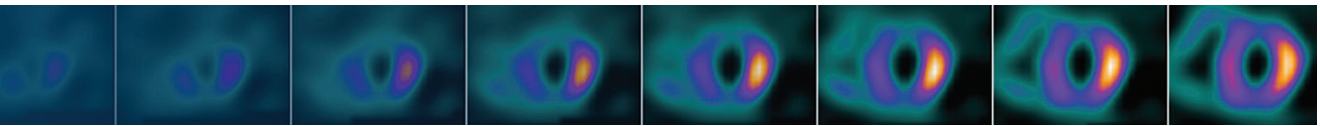
4DM Feature	Description	Clinical Value	New	Enhanced	Version
Enhanced Integrated Reporting Features	<ul style="list-style-type: none"> Includes Comparison Study Summary and SPECT MUGA Report Template 4DM sample report templates include more of the commonly-used report tags New tags added to support updated reporting guidelines and new stressing agents 	<ul style="list-style-type: none"> Continues to provide users with the most robust, compliant, and integrated reporting options 		X	6.0
Additional Normals Databases	<ul style="list-style-type: none"> C.Clear Sestamibi/Tetrofosmin Tc-99m databases Flash 3D Sestamibi/Tetrofosmin Tc-99m databases 	<ul style="list-style-type: none"> Perform quantification comparisons to normals databases for C.Clear and Flash 3D Sestamibi/Tetrofosmin studies 		X	6.0
Updated Licensing Options	<ul style="list-style-type: none"> Floating Licenses 	<ul style="list-style-type: none"> Through the use of USB dongles, users can now use a licensed copy of Corridor4DM on multiple computers 		X	6.0
Printing	<ul style="list-style-type: none"> Print secondary screen captures directly from Corridor4DM 	<ul style="list-style-type: none"> No longer need to open additional applications to print 4DM images for patient file archival 	X		5.2
Composite Result Files	<ul style="list-style-type: none"> Save a single result file 	<ul style="list-style-type: none"> Access to all results in a single file for easy sharing, transferring and archiving 	X		5.2
Reconstruction Identification Strings	<ul style="list-style-type: none"> Match studies to normal databases based on reconstruction methods 	<ul style="list-style-type: none"> Match studies to normal databases even if the camera system or workstation does not store reconstruction methods in DICOM format 	X		5.2
FDG Viability Support	<ul style="list-style-type: none"> User-defined viability layouts and viability quantification in polar maps and segmental scoring 	<ul style="list-style-type: none"> Determine viable heart tissue by generating scar and viability scores 	X		5.2
Region of Interest Drawing Tools	<ul style="list-style-type: none"> Oval, square, and polygon drawing tools Non-prioritized region drawing 	<ul style="list-style-type: none"> Enhanced drawing tools for more versatile and accurate regions of interest identification Distinct, layered region of interest drawing 		X	5.2
Polar Map Valve Plane Estimator	<ul style="list-style-type: none"> User-defined location for the basal valve plane for polar map generation (septal, lateral, or mid) 	<ul style="list-style-type: none"> Increased user control for quantification results 		X	5.2
Slice Averaging	<ul style="list-style-type: none"> A definable preference that averages multiple slices into a single image Average up to six slices in a single image 	<ul style="list-style-type: none"> Review an entire volume in a single splash display 	X		5.1
Slice Numbering	<ul style="list-style-type: none"> Displays the slice number in the 2D splash object 	<ul style="list-style-type: none"> Provides indication if slice averaging has been applied 	X		5.1

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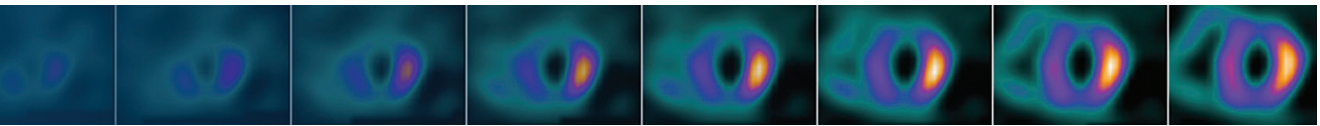
4DM Feature	Description	Clinical Value	New	Enhanced	Version
Calcium Scoring Quantification	<ul style="list-style-type: none"> Manual vessel assignment for quantification including seed point placement with region growing technique and ROIs with region growing technique Quantification of Agatston score, volume, and number of lesions Definable Hounsfield unit threshold 	<ul style="list-style-type: none"> Fully integrated coronary calcium analysis for SPECT/CT, PET/CT, or stand alone CT studies. Requires the purchase of optional CaSc processing license 	X		5.1
CT Viewer	<ul style="list-style-type: none"> Image display types include MPR, MIP, and Thin MIP Quantification: ROI and Ruler 	<ul style="list-style-type: none"> Quantify and report incidental findings in SPECT/CT, PET/CT, or stand alone CT studies in a single, accurate and comprehensive environment. Requires the purchase of optional CT processing license 	X		5.1
CT Reporting	<ul style="list-style-type: none"> Report CT incidental findings Report CT calcium scoring results 	<ul style="list-style-type: none"> Streamline reporting CT, SPECT, and/or PET findings in a single ICANL-compliant report. Requires the purchase of optional CT processing license 	X		5.1
Transverse, HLA and VLA dataset support	<ul style="list-style-type: none"> Import and quantify recon tomo and gated recon tomo files for quantification regardless of image orientation 	<ul style="list-style-type: none"> Enhance clinical workflow integration with additional dataset compatibility. The ability to adjust image orientations ensures exact matching of image reconstructions. 	X		5.1
Auto Image Magnification	<ul style="list-style-type: none"> A definable preference that allows the splash and 3SA, HLA, and VLA images to automatically scale to fill 70% of image display area 	<ul style="list-style-type: none"> Save time with automatic, optimal image magnification for the most advantageous display of studies regardless of small, normal, dilated, or massively dilated cardiac volumes. 	X		5.1
Polar Map Quantification	<ul style="list-style-type: none"> User definable valve plane placement (Septal Wall, Septal Wall – Mid Membranous Septum, Lateral Wall) 	<ul style="list-style-type: none"> Correspond processing limits with quantification processing techniques for greater reproducibility of quantitative perfusion results. 		X	5.1
Tomographic Quality Control (Raw QC Screen)	<ul style="list-style-type: none"> Updated user interface with an interval slider for gating interval selection 	<ul style="list-style-type: none"> Perform detailed analyses of EKG gating integrity on a frame-by-frame basis. 		X	5.1
Fusion Screen	<ul style="list-style-type: none"> Support SPECT, PET, CT, and Attenuation Correction maps for registration 	<ul style="list-style-type: none"> Verify image co-registration for accuracy and eliminate false positives or negative studies generated by image reconstruction defects. 		X	5.1

CORRIDOR4DM FEATURE LIST



4DM Feature	Description	Clinical Value	New	Enhanced	Version
3D Enhancements	<ul style="list-style-type: none"> • G-All Display (perfusion, wall thickening/motion) • G-Perf Display (ungated, end-diastolic, end-systolic) • 3D Splash screen supports six views (apex, septal, anterior, base, lateral, inferior) for a single study • Ability to display Raw maps, two-study comparison maps, and DB comparison maps • Zoom capabilities • Synchronized image and 3D image dual color bar control • Reversibility mapped on the 3D object • Majority of controls moved to the common panel 	<ul style="list-style-type: none"> • Improve the efficiency and quality of diagnostic reviews with a single, comprehensive and interactive display of 3D images and 3D polar maps. 		X	5.1
Reporting Features	<ul style="list-style-type: none"> • Access to patient information when a single series is loaded <ul style="list-style-type: none"> – For example, tomo, gated tomo, and/or a DICOM screen capture activates these corresponding screen of the reporting package: History and Demographics, Stress/Rest EKG Data, and Preferences • Added delay export tags 	<ul style="list-style-type: none"> • Complete ICANL-compliant reports in less time. 		X	5.1
Accepted Data at Start-up	<ul style="list-style-type: none"> • Ability to launch application with non-reconstructed files (tomo, gated tomo, or CT) 	<ul style="list-style-type: none"> • Use Raw QC screen to validate data prior to reconstruction • Access applicable Patient Information fields prior to reconstruction 		X	5.1
User Interface	<ul style="list-style-type: none"> • Enhanced colorbar controls • Enhanced screen designer with unlimited user definable screens • Added scrolling ability to screen selection panel • Ability to generate user-defined study layouts 	<ul style="list-style-type: none"> • Define user customized environments with increased control of algorithms, display screens, and features. • Standardized colorbar control for all 2D display objects, including dual colorbars • Unlimited user-defined display screens 		X	5.0

CORRIDOR4DM FEATURE LIST



4DM Feature	Description	Clinical Value	New	Enhanced	Version
Data Support	<ul style="list-style-type: none"> Native PET and CT cardiac studies Siemens Transformation/ Co-registration Matrices Siemens and Philips CTA extracted vessels files 24-bit DICOM Static and Multi-frame Screen Captures 	<ul style="list-style-type: none"> Improve workflow integration with increased data support, especially related to PET and CT cardiac images. 		X	5.0
Tomographic Quality Control (Raw QC Screen)	<ul style="list-style-type: none"> Raw Cine Review Sinograms Count Histograms Beat Histograms 	<ul style="list-style-type: none"> Perform detailed evaluations of the integrity of gated and ungated radionuclide tomographic image data. 	X		5.0
Volumetric Registration (Fusion Screen)	<ul style="list-style-type: none"> Perform manual volumetric registration for CT, PET and SPECT data 	<ul style="list-style-type: none"> Align datasets to compare perfusion data and CT anatomy. 	X		5.0
DICOM Screen Capture Review	<ul style="list-style-type: none"> Display DICOM secondary screen captures Display and cine DICOM multi-frame screen captures 	<ul style="list-style-type: none"> Display screen captures from a previous study or review vendor-specific screen captures. 	X		5.0
Patient Information Screen	<ul style="list-style-type: none"> Updated workflow to abide by ASNC reporting matrix 	<ul style="list-style-type: none"> Complete compliant reports in less time. 		X	5.0
Additional Normals Databases	<ul style="list-style-type: none"> Rb-82 databases 	<ul style="list-style-type: none"> Complete a polar map analysis of Rb-82 PET perfusion studies. 		X	5.0
Fusion of CTA Extracted Coronary Vessels	<ul style="list-style-type: none"> Fusion of 3D LV surface models with CTA extracted coronary vessels 	<ul style="list-style-type: none"> Review functional and anatomical studies in a single image with CT coronary angiograms combined with perfusion 3D displays. 	X		4.2
Preferences Interface	<ul style="list-style-type: none"> Updated user interface 	<ul style="list-style-type: none"> Define user customized environments with increased control of algorithms, display screens, and features. 		X	4.2
Increased Initialization Speed	<ul style="list-style-type: none"> Launch application and studies faster 	<ul style="list-style-type: none"> Minimize down time during application initialization. 		X	4.2
DICOM Multi-Frame Screen Capture (MFSC) Support	<ul style="list-style-type: none"> Capture and save cine loops in DICOM format 	<ul style="list-style-type: none"> Review myocardial function in a PACs environment that doesn't provide 4DM 		X	4.1