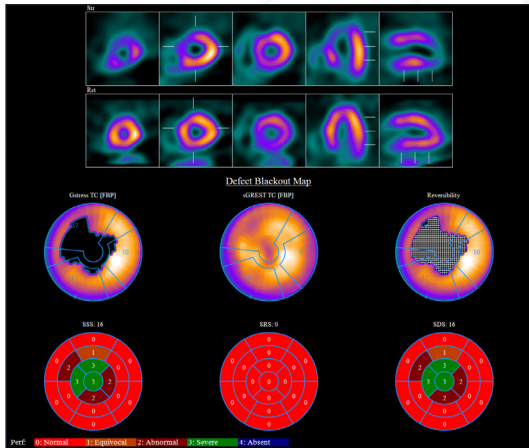


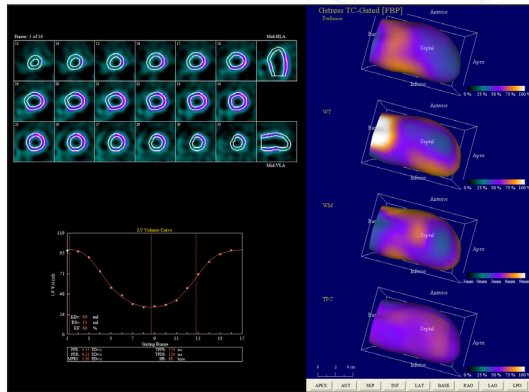
ADVANCED NUCLEAR CARDIOLOGY QUANTIFICATION SOFTWARE



STATE-OF-THE-ART SOFTWARE FOR THE QUANTIFICATION, REVIEW, AND REPORTING OF CARDIAC PERFUSION AND FUNCTION



Perfusion + Quantification



Function + Quantification

Corridor Cardiac Hospital

Study Date: 08/04/2007 Patient ID: 25820

Physician: DR. K. M. ... Age: 68 Height: 168 Weight: 160 Referring Physician: ...

EXAM PROTOCOL: ...

EXAM TEST PARAMETERS: ...

PERFUSION FINDINGS: ...

FUNCTIONAL FINDINGS AND INTERPRETATION: ...

QUANTITATIVE RESULTS:

Parameter	Value	Units
LAD	100%	%
LCx	100%	%
CCx	100%	%

REPORTING: ...

Reporting

INVIA understands the clinical demands placed upon nuclear cardiology quantification software. Its flagship product, Corridor4DM, establishes new precedents with its configurable user interface and delivers a comprehensive solution, mitigating the need for multiple applications. As a result, more medical imaging professionals are requesting 4DM to improve the efficiency, accuracy, and quality of their diagnostic interpretations.

ACCURATE IMAGE DISPLAY PERFORMANCE

With a foundation of algorithms developed at the University of Michigan, 4DM provides robust nuclear cardiology quantification via result and image displays. The inclusion of basal plane motion provides more accurate quantitative measurements, resulting in improved detection of coronary artery disease.

USER-CENTERED PHILOSOPHY

At INVIA, it is our mission to provide the most user-centered diagnostic review environment. We listen to the needs of users; bring together medical and technical expertise; and continually implement industry trends and technical advancements into Corridor4DM.

MULTIPLE CLINICAL SOLUTIONS IN A SINGLE APPLICATION

4DM is a comprehensive solution for physicians and technologists. Its integrated workflow includes quality assurance measures; intelligent workflows for greater efficiency; the quantification of myocardial perfusion and blood pool studies; and multiple review screens. These features are integrated into a single application — including a reporting module with customizable, compliant report templates.

CHOOSE YOUR MODALITY

Are you a SPECT-only site? A PET-only site? Or perhaps you work with both. Regardless of your modality, 4DM has a package perfect for you.

Please see the reverse side of this document for a complete list of 4DM quantitative results and product features associated with each package.



PRODUCT FEATURES	4DM PACKAGES		
	MI	SPECT	PET
Quantification Results			
▪ Systolic Function: LV Volumes (indexed and unindexed), EF, Cardiac Output	•	•	•
▪ Diastolic Function: Peak Filling and Emptying Rates	•	•	•
▪ Regional Wall Thickening, Motion, and Time to Peak Contractility	•	•	•
▪ Transient Ischemic Dilation (TID)	•	•	•
▪ Myocardial Perfusion Quantification (Extent and Severity)	•	•	•
▪ Contractility Histogram	•	•	•
▪ Semiquantitative Scoring (SSS, SRS, SDS, VS, SS)	•	•	•
▪ Derived Viability Polar Map (delineate between ischemic, viable, and scar tissue)	•	•	•
Supported Data			
▪ Nuclear Medicine: Static, Dynamic, Gated Planar, Whole Body	•	•	
▪ SPECT Perfusion: Tomo, Recon Tomo, Gated Tomo, Gated Recon Tomo (SA, HLA, VLA, Transverse)	•	•	
▪ SPECT MUGA: Gated Tomo, Gated Recon Tomo (SA, HLA, VLA, Transverse)	•	•	
▪ PET: Recon Tomo and Gated Recon Tomo (SA, HLA, VLA, Transverse)	•		•
▪ Attenuation Correction Maps	•	•	•
▪ 8- and 24-bit DICOM Static and Multi-Frame Screen Captures	•	•	•
Single Review Environment			
▪ Integrated Myocardial Perfusion with Function	•	•	•
▪ Planar and SPECT Blood Pool Processing	•	•	
▪ Multiple Image Formats (Splash, Three Short Axis)	•	•	•
▪ 2D and 3D Polar Maps (Ungated, ED and ES Perfusion; Wall Thickening, Motion, and Time to Peak Contractility; Raw, Normalized, Severity, Blackout, Defect Severity, Normalized Mean, Normalized Standard Deviation, and Thresholds)	•	•	•
▪ Segmental Scoring Overlays	•	•	•
▪ User-Defined Workflows and Screens	•	•	•
Quality Assurance & Processing			
▪ Automatic Processing and Cardiac Reorientation	•	•	•
▪ User Selectable Processing Algorithms	•	•	•
▪ Integrated Processing and Review Screens	•	•	•
▪ Volumetric Co-registration of Supported Data	•	•	•
▪ Tomo QA Display (Cine Review, Sinogram, Beat Histogram, Count Histogram, Gating Parameters)	•	•	
Normals Databases			
▪ SPECT Protocol Databases: One and 2-day Tc99m, Dual Isotope (Tc99m and Tl-201), Tl-201 Stress/Rest/Redistribution	•	•	
▪ PET Protocol Databases: Rb-82 Distribution, FDG Viability (Statistically Generated)	•		•
▪ Camera Specific Databases (C.CAM, Profile AC, Symbia AC, C.Clear, IQ•SPECT)	•	•	
▪ Iterative Reconstruction (Flash3D)	•	•	
▪ User-defined Database Generation and Editing	•	•	•
Integrated Report Generation			
▪ Simple interface for entering demographic, stress test results, and nuclear diagnostic results	•	•	•
▪ User Customizable Report Templates	•	•	•
▪ Generate screen images and AVIs for presentations, marketing, and publications	•	•	•
▪ Print and export reports in XML, HTML, Text, MS-Word, and PDF directly from 4DM	•	•	•
Additional Licensing Options			
▪ CT Option (includes CT Review, Calcium Scoring, Vessel and Calcium Fusion, Reporting)	•	•	•
▪ SPECT Reconstruction Option (Filtered Backprojection, Filtering, Reorientation)	•	•	
▪ Coronary Flow Reserve Option (Rb-82 PET Tracer)	•		•
▪ Fixed and Floating Licenses	•	•	•