

Completing the Nuclear Lab: From a Single User Interface to Impeccable Quality Assurance

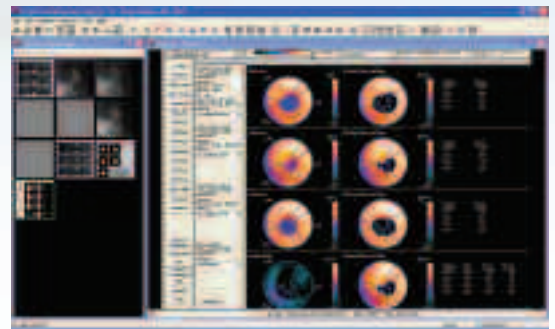
ProSolv® CardioVascular stops at nothing to provide you with the most advanced technologies to analyze your findings. That's why we employ Corridor4DM, an innovative software application specially developed for the quantification and review of cardiac perfusion and function of nuclear cardiology SPECT studies. Corridor4DM uses a foundation of algorithms developed at the University of Michigan to provide robust image displays including 3D and 2D polar maps and short axis images. Combine this with ProSolv® CardioVascular's unmatched reporting capabilities, and you've got yourself one comprehensive Nuclear Cardiology lab.

A single user-friendly, intuitive environment.

4DM's integration with ProSolv® helps support every step in your workflow, from initial review to your finalized report. It provides a consistent, intuitive platform where everyone, including nurses, technologists and physicians can efficiently process and review any nuclear cardiology SPECT exam. Users can choose from several different quantification and display routines through a standardized user interface. It offers clinically validated algorithms for:

- Systolic Function (LV Volumes, EF, Cardiac Output)
- Diastolic Function (Volumes, Filling and Emptying Rates)
- Myocardial Mass
- Regional Wall Thickening and Motion
- Transient Ischemic Dilatation (TID)
- Myocardial Tissue Classification (normal, ischemic, scar)
- Defect Size and Severity

A number of single and multi-dimensional displays are available, so you'll always find one that meets your needs.



Quality assurance every step of the way.

With our integrated 4DM application, you have several options for verifying the quality of input data, as well as the processing of that data. For instance, once you select a study, QA displays for all raw data cines and surface, valve plane and polar maps become available, and this information remains available throughout the quantification and image interpretation phases. So both technologists and physicians can access this crucial information with one or two quick mouse clicks.

User-specific tool sets.

An integrated Normals Database Generator provides each user with a set of tools for creating site, patient population or protocol-specific normal data files such as 1- and 2-day Tc99m, Dual Isotope (Tc99m and TI-201) and TI-201 Stress/Rest/Redistribution protocols. We even provide a database already populated with common imaging protocols for you to build upon.

