



better images mean better results





Welcome to a better way
for YOU and YOUR patient

DynaCAD

brought to you by  **Invivo**

Be more productive, more
confident and more accurate
with our complete solution.

DynaCAD incorporates a comprehensive set of automatic image processing tools to improve your confidence and interventional procedure workflow.

DynaCAD tools provide:

Enhanced Workflow and Productivity

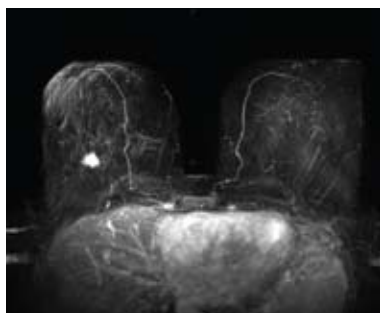
- Large, flexible workspace
- Custom hanging protocols
- Multi-vendor/modality viewing capabilities
- Configurable worklists for easy study management
- Automatic PACS archiving of DynaCAD images, captures and standardized reports

Increased Diagnostic Confidence

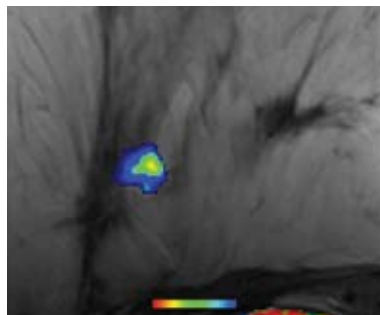
- Automatic generation of subtracted images, multi-planar reformatted images (MPRs) and dynamic maximum intensity projections (MIPs)
- 2D and 3D image registration for correction of patient motion artifacts
- Creation of registered subvolumes
- Standardized reporting

A better approach offers:

- *Improved Confidence*
- *Speed and Power*
- *Flexibility to fit your needs*



Subtraction images are automatically generated to highlight areas of increased MRI signal



DynaCAD's ability to display images in any plane allows identification of structures in relation to the chest wall and other anatomy



Your Complete Solution for Breast MRI Analysis



Diagnostic 16 channel
Luminescence Coil

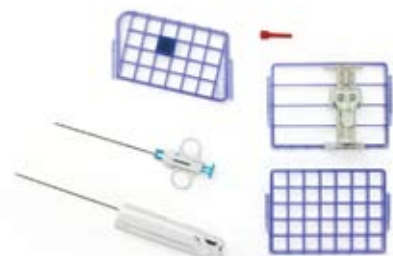


Diagnostic and Interventional
7 channel Luminescence Coil

DynaCAD is just one element of the "Complete Solution" approach Invivo applies to breast MRI. Invivo also offers a wide variety of imaging coils, breast immobilization/biopsy systems and a full line of MRI-compatible interventional instruments. Coupled with our talented team of engineers and applications specialists, the Invivo "Complete Solution" for breast MRI provides hospitals and imaging centers with a single partner to help meet their imaging, analysis and interventional needs.

The **Luminescence Breast System** is a modular designed coil set that provides high resolution images of the breast with extensive anatomic coverage of the breast, axilla and chest wall. These multi-channel array coils are designed to take advantage of today's 8, 16 and 32 channel MRI system capabilities and are optimized for use with parallel imaging techniques.

The coil has an integrated system for breast immobilization, localization of suspicious lesions, and precise guidance of MRI compatible instruments, including integration with newer vacuum assist biopsy devices. Procedures may be performed medially, laterally and cranially.



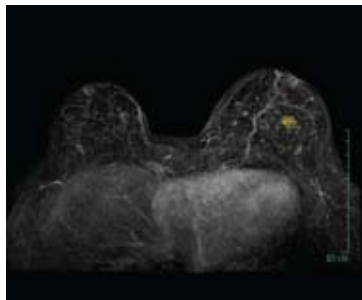
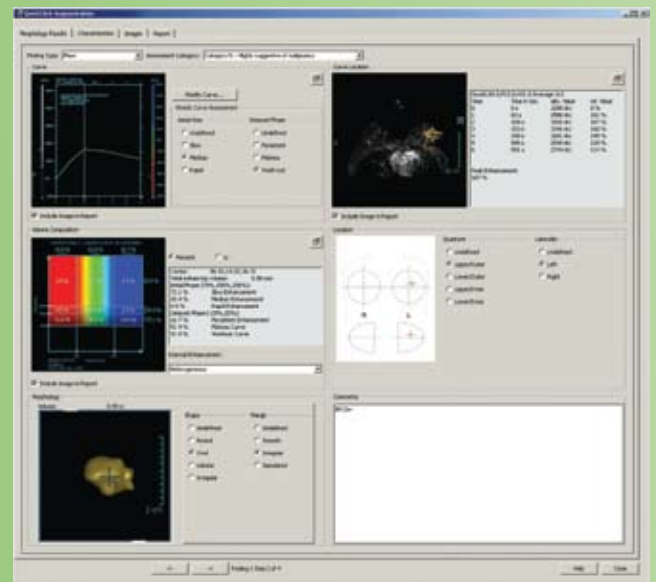
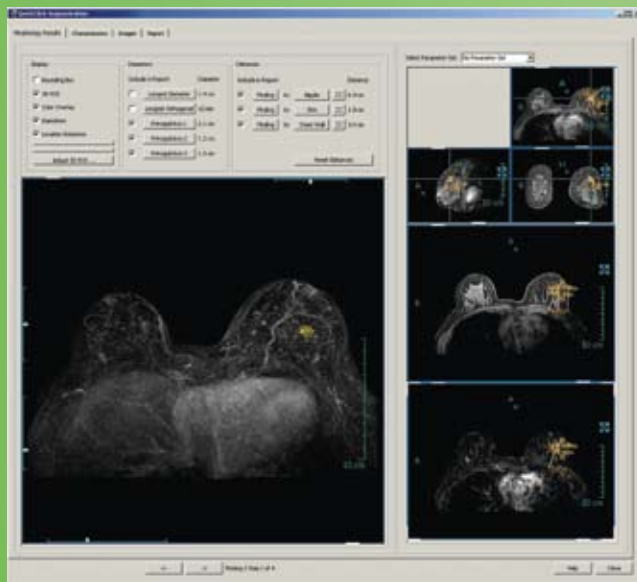
Interventional Accessories



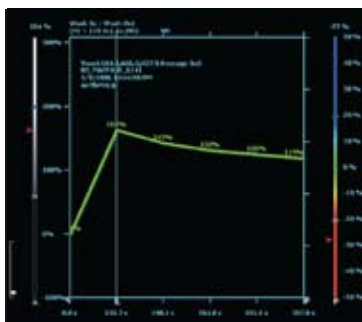
Medial Access



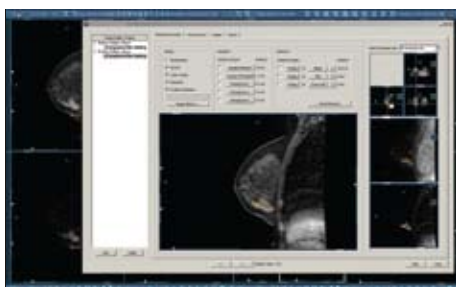
Lateral Access



Dynamic maximum intensity projections enable the user to assess both morphologic data as well as kinetic information



Type III enhancement curve with strong initial enhancement followed by rapid washout



One mouse click and DynaCAD launches QuickClick Segmentation for lesion classification

QuickClick Segmentation Option

One mouse click and DynaCAD launches a simple, menu-driven workflow for lesion classification.

- True automation in an easy to use menu-driven interface
- Advanced segmentation algorithm allows for on-the-fly user modification
- Automatic kinetic analysis (angiogenesis maps, time-intensity curves) for evaluation of signal intensity
- Histograms for monitoring therapy response
- Single-click volume analysis, lesion composition statistics and histograms for improved therapy monitoring
- Auto-search for most suspicious regions of interest (ROIs) based on radiologist-defined criteria
- Interactive 3D image annotations
- Automatic lesion location and diameter measurements
- 3D rendered morphological overview

Standardized Structured Reporting

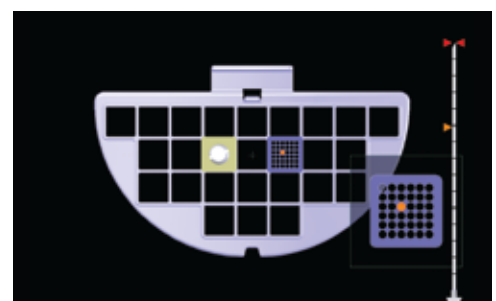
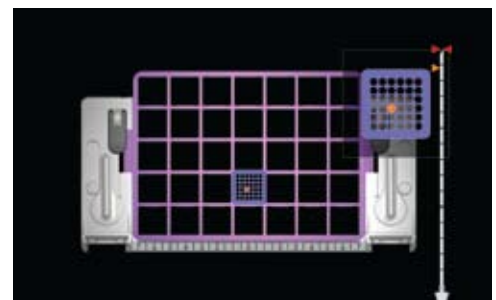
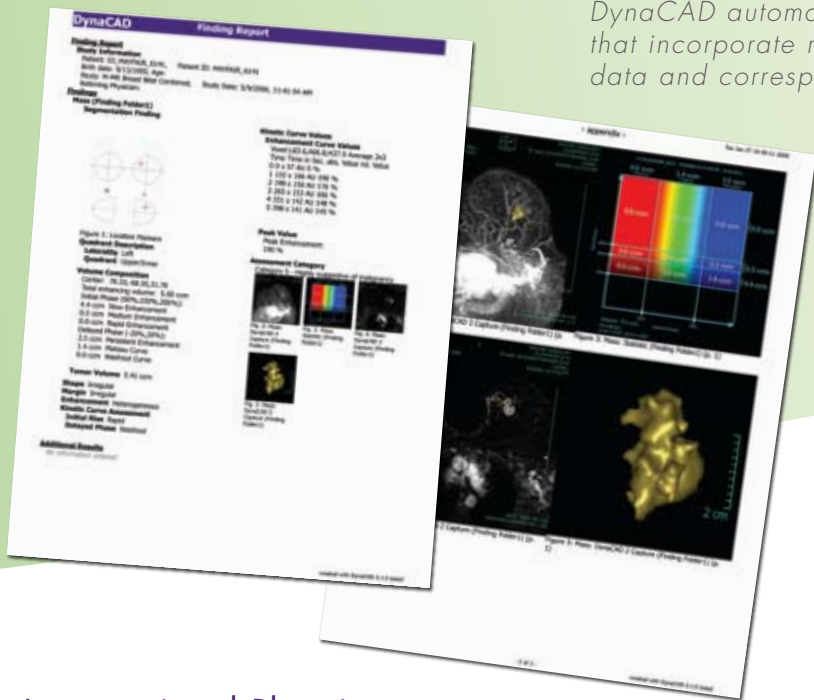
- Automatic creation of "Finding Reports" for organization, classification and reporting of findings in accordance with the ACR BI-RADS® Atlas for lesion classification
- Expandable, user-defined structured reports for any type of examination

Fast, Accurate Interventional Planning

DynaLOC has an "Automatic Setup" option to improve accuracy and speed of MR-guided interventional procedures with a simple, menu-driven user interface.

- Fully integrated with MRI breast coils, breast localization/biopsy systems
- Computer-guided localization for improved procedure planning
- Integration with leading vacuum-assist biopsy devices

DynaCAD automatically creates structured reports that incorporate radiologist-defined classification data and corresponding result images.

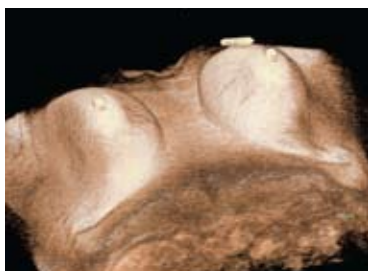


Interventional Planning

- Integration of all commercially available vacuum-assisted breast biopsy systems for fast and accurate MR-guidance
- Option for interventional planning with the new InVivo **Luminescence Breast System**
- Library of interventional instruments for site-specific, customized workflow
- Enhanced computer graphics for improved visualization of needles and interventional instruments

Other Enhancements

- Expanded and configurable archiving options for automatic creation of post-processed image series and storage to PACS archive
- Export options available in multiple file formats (e.g. JPEG, PNG, TIFF, AVI, etc.) for incorporating DynaCAD data into other PC applications
- Flexible toolbar configuration for custom personalization
- Presentation set feature to preserve cases for clinical presentations
- Integrated utility for creation of DynaCAD CDs and DVDs with built-in image viewer
- 3D Surface Rendering - a perfect tool for oncoplastic surgery consultation and pre-therapy planning



3D Surface Rendering



Invivo Innovation is matched by our commitment to provide the best technical and customer support in the industry. Invivo is proud to offer comprehensive tiered support coverage of the entire Invivo family of solutions including **DynaCAD**. On-Site and remote applications training to keep you updated, fast turnaround repair time, remote applications support and system upgrades are just a few of the ways Invivo makes technology transparent, allowing you to focus on what is most important to you...the patient.



inspired by a better way

For more information about **DynaCAD** or any of the Complete Solution products from Invivo, please call us at 1-800-331-3220, or visit our website at www.invivocorp.com

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