IMPAX FOR BREAST IMAGING

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A multi-modality, vendor neutral PACS and diagnostic review solution to improve Breast Imaging workflow and radiologist efficiency

Multi-modality
- Supports adjunct multi-modality breast imaging display as well as general imaging studies

Vendor neutrality
- Multi-vendor modality display capability

IHE compliance
- Solves image display problems typically encountered in mixed vendor environments

Proven connectivity
- Leverages proven IMPAX connectivity and architecture for Breast Imaging

Workflow automation
- Simplifies the reporting process
- Automatic access to current and historical studies and reports for comparative review

Comparative review of the imaging record
- User-specific study display formats to support differing read and review styles for each modality

CAD
- Integration to third party mammography CAD systems (R2, iCAD, Siemens)

Multi-modality breast imaging display drives efficiency of the diagnostic process

Based on AGFA HealthCare’s renowned IMPAX platform, IMPAX for Breast Imaging is a powerful diagnostic platform that facilitates reporting workflow in a digital breast imaging environment.

Leveraging proven IMPAX connectivity and architecture, the IMPAX for Breast Imaging solution provides support for imaging data from a variety of modalities, including all approved digital mammography vendors.

Within both screening and diagnostic imaging environments, the diagnostic review station allows the radiologist to work with all relevant patient images within one display station. This includes all breast imaging modalities as well as other diagnostic imaging studies.

The DICOM compliant diagnostic review station supports rapid and simultaneous display of multi-modality images. It incorporates a data management system that automatically displays relevant data (e.g. Breast US, digital mammography, Breast MRI) based on a variety of user-definable criteria including modality, specialty, dates, etc.

Relevant prior exams are automatically and simultaneously displayed on the diagnostic review station and when available, radiology reports from the RIS will also be displayed in the same workflow view.
IHE Compliance
The support of IHE Mammography Image and Consistent Presentation of Images profiles solve image display problems typically encountered in mixed vendor environments, such as orientation, size, justification, consistency of grayscale contrast and completeness of annotations.

Comprehensive Comparative Review of the Imaging Record
With the IMPAX for Breast Imaging diagnostic station, previous studies can be compared simultaneously to current study images. Preferences for the display, review and comparison of images can be defined per user and per modality. This means greater flexibility for the radiologist during the review session and more effective support for both dedicated screening facilities and comprehensive breast imaging centers.

Advanced Hanging Protocols
• Comparative Review Modes provide user-specific study display formats to support differing read and review styles for each modality, with unique options for dealing with complex additional views and diagnostic procedures
• IHE same size display mode automatically scales current and prior mammography images from different vendors to the same relative physical size
• Image scale to fit feature scales up the images so that the breast fills up the available viewport space without cutting off any anatomical content
• Innovative 1:1 navigator automatically displays mammography images completely in 1:1 zoom factor, with as little overlap in as few cells as possible
• User-defined automation of routine workflow and display tasks (wizard tool)
• Two configurable review workflows : diagnostic and screening
• Hot keys to define personal diagnostic review actions

CAD
• Provides proven integration to third party digital mammography CAD vendors (R2, iCAD, Siemens)
• Supports a simple and easy to use implementation of Mammography CAD markers so clinical workflow is optimized for image review and reporting
• Markers can be toggled on and off for correct visualization of structures identified by CAD

Multi-modality Breast Imaging Toolset
The multi-modality tool set supports adjacent breast imaging technologies, such as Breast MRI and Breast US, and is user-configurable to reflect the unique read and review workflow needs of each breast imaging radiologist.

Image Manipulation Tools
• Image magnification of suspicious areas (1:1 pixel, zoom, magnify glass, etc)
• Window width / window level interactive manipulation to help highlight suspicious areas like microcalcifications
• Paired zoom and pan (preset zoom factor can be specified to 1:1)
• IHE image grayscale inversion and window-leveling of mammography images only affecting the breast
• Measurement tools (angle, linear, ROI,...) to quantify clinical information from the imaging study
• Annotation Tools (user-defined drop down menus with routine annotations)
• Selection of multiple value of interest look up tables (VDI LUTs)

Streamlined Design of the User Display Interface
• User-Defined Display (customized position and access of the tools on the monitor)
• Rollaway Toolbars for undisturbed view

Keypad
• The keypad has been specifically designed to ease and improve the speed of mammography diagnostic workflow
• The keypad, mouse and keyboard setup is customizable to meet everyone’s read and review style and ease routine functions

Technologist Clinical Review Station
• A clinical review station is also available allowing technologist access to prior studies and/or annotated images for extra views
• This solution is available for both in room and in work area applications for accurate patient positioning
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## TECHNICAL SPECIFICATIONS

**Workstation**

**Operating system requirements**
- Microsoft® Windows®, Vista, Windows Vista x64 SP1, Windows 7 x64
- Dual processor technology with Intel® core architecture

**Memory**
- 4 GB Ram minimum

**Drives**
- 80GB minimum

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NOTE: all options/products mentioned in this data sheet are available in all countries. In case of doubt, please contact your Agfa HealthCare Sales Organization. For the latest information on product specifications and features, visit our website at: [www.agfahealthcare.com](http://www.agfahealthcare.com)