Toll Free: 800 800-8600 (in U.S. and Canada)
Tel: +1 949 852-1000 (outside U.S.)
www.candelis.com

SOLUTION

Breast Imaging

Women's imaging facilities in the United States and around the world are all facing the same set of challenges as they implement or expand digital imaging technologies. These facilities need to digitize, automate, and streamline their operations and entire workflow for maximum efficiency and profitability.

Overview

Breast Imaging facilities have many unique workflow challenges due to the size of image datasets and the number of prior studies used for evaluation. Many facilities run into issues such as:

- Excessive time required for both screening and diagnostic exams to be available for reading on the workstation
- Slow image movement due to EMR-driven workflow
- Waiting for prior images to be available for reading

It is stressful for both the radiologist and the patient when there is any delay in reading the images. When radiologists have to wait for each study, and their priors, to download and store to their local workstation, it takes away critical time from the patient's diagnosis and limits the number of studies that can be read per day.

The Candelis Advanced Breast Imaging PACS addresses many of these issues by offering superior image quality with tools for a more accurate and thorough diagnosis.

Better diagnostic tools and more efficient workflow processes will further allow imaging centers and clinics to focus on patient care.

Image Viewing

ImageGrid enables radiologists to read more tomosynthesis studies per hour. The Candelis Advanced Breast Imaging Viewer provides an enhancement to the Candelis ImageGrid platform which includes multimodality and multivendor viewing of breast images with a complete diagnostic tools set.

FEATURES INCLUDED:

- Mammography, tomosynthesis, 2D Ultrasound, and MRI Breast Image Support
- 3D Breast Ultrasound Study Review
- Remote Diagnostic Image Viewing
- Advanced Patient Matching
- Enhanced Mammography Prefetch

In addition to supporting mammography and tomosynthesis images from Hologic, GE, Siemens, FujiFilm, Planmed, and Giotto, ImageGrid's Advanced Breast Imaging Workstation supports viewing and analysis of 3D breast ultrasound images acquired by GE, Siemens, Hitachi, and iVu.

Breast Imaging PACS

In addition to the Advanced Breast Imaging Viewer, the Breast Imaging PACS has a backend server that allows for storage and optimized image movement. The server's enhanced mammography prefetching tools further reduces the time required before studies can be read by radiologists and eliminates all information that can cause a patient mismatch.

ADVANCED FEATURES INCLUDE:

- Retrieval of prior studies from multiple PACS systems
- Ensure consistency between current and prior patient studies
- Delivery of prior studies to the workstation during non-peak hours
- Caching exams on the workstation to minimizing fetching activities during reading
- Prerender prior exams resulting in quicker visualization of studies at time of reading
- Delivery of both current and prior exams simultaneously to workstation along with notification of availability for reading
- Reliable Local Storage
- Cloud Archiving
- Superior Image Routing
- Quick Study Movement

Cloud Storage & PACS

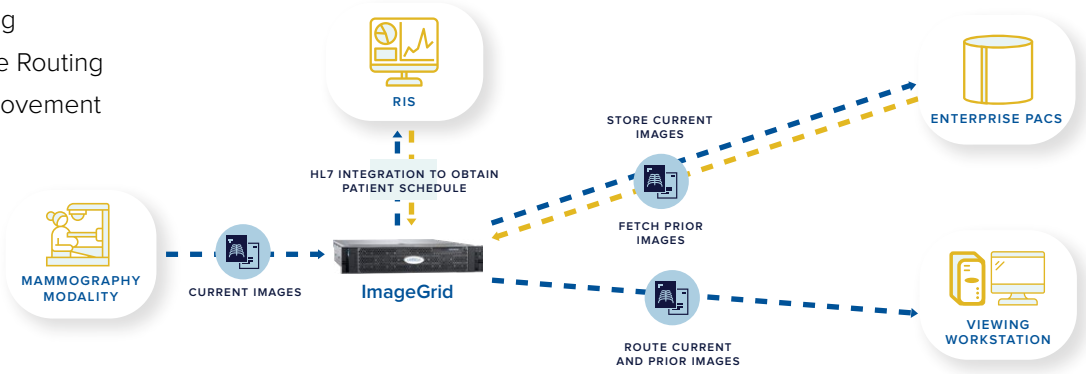
The Advanced Breast Imaging Workstation's enhanced mammography prefetching tools further reduces the time required before studies can be read by radiologists and eliminates all information that can cause a patient mismatch. Features include:

- Retrieval of prior studies from multiple PACS systems
- Ensuring consistence between current and prior patient studies
- Reliable Storage
- Cloud Archiving
- Superior Image Routing
- Quick Study Movement

Fully Integrated Workflow

ImageGrid helps Women's Imaging facilities address image management requirements through:

- Automated/rules-based DICOM routing
- Automated/rules-based prefetching of relevant priors
- HL7 integration interface support to scheduling and RIS system
- Consistent cooperation with existing PACS systems
- Easy assimilation with mammography reporting and tracking systems
- Caching and long-term archiving of studies



Efficiency Tools

The Advanced Mammography Viewer is designed with the workflow features that are needed to optimize reading mammography, tomosynthesis, and 3D Breast Ultrasound studies including:

- Support of diagnostic and screening workflows
- Support for views with modifiers
- Zoom presets
- Sub-steps support within workflow
- Automatic layout of unseen images
- Tomosynthesis navigation tools
- Flexible, configurable radiology worklist
- Interrupted workflow (study park position)
- Customizable prefetch of relevant priors
- On-the-fly 3D breast ultrasound image reconstruction and viewing of coronal, sagittal, and transverse planes
- Simultaneous identification of points of interest in multiple viewports displaying different anatomical planes
- Dynamic rotation of the 3D breast ultrasound image around a chosen point of interest to inspect a region from various angles
- Reporting of distance to nipple and clock position for points of interest
- Series linking of multiple viewports for simultaneous image movement and scrolling