

Women's imaging has become increasingly complex, often emerging as an integrated imaging service that unites a broader range of imaging studies. Frequently these studies are acquired, read, and stored in various locations, often remotely.

The accreditation demands of including relevant prior studies in the diagnostic process for mammography can further complicate implementing the diagnostic workflow, especially when the necessary relevant priors may exist in multiple disparate locations.

Problems

- **Increasing diversity of exam types**
Existing 3D mammography, breast MRI, ultrasound, and OBGYN imaging studies or reports may be available for comparison, but each modality may need to be read or reviewed on different diagnostic workstations.
- **Scheduling exams far in advance**
Screening and follow-up diagnostic mammograms are frequently ordered and scheduled 12-24 months in advance, complicating pre-fetch scheduling.
- **Widely distributed data sources**
Patients may have their mammograms performed in different locations and the exams may be read remotely by the radiologist, who still needs access to the relevant priors, which may be stored in various, distributed image repositories.

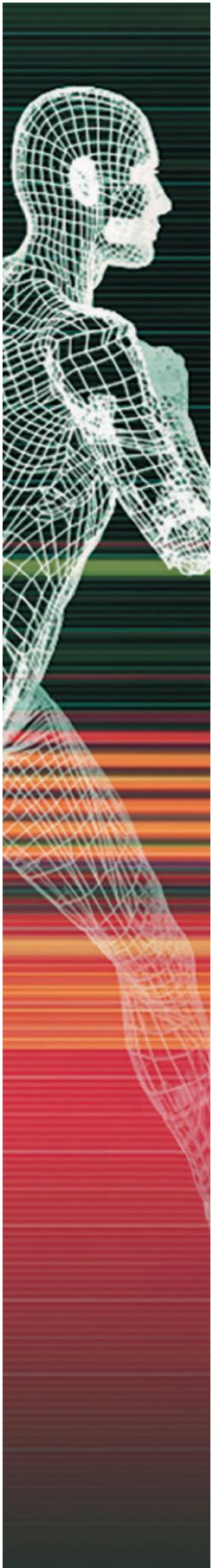
Benefits of Automating the Workflow

- Ensures all prior studies are available to the radiologist, when and where they are needed, boosting efficiency and productivity.
- Supports distributed tele-mammography reading workflows that may involve multiple image sources and multiple reading locations.
- Helps imaging providers reliably and efficiently adapt to and solve unusual workflows.
- Reduces the staffing levels needed to manage the data and maximize the quality of care.

"We have a very busy breast imaging program that requires interpretation of images from multiple systems. We need to be able to have comparison images available quickly and reliably, but we struggled with disparate medical record numbers and wasted radiologist time fetching previous studies at the time of interpretation.

Compass and Navigator solved this problem allowing us to spend our time interpreting images rather than retrieving them."

Helen S. Sandven, MD
Medical Director of Breast Imaging
Asheville Radiology Associates



Women's Imaging Workflow

Solution Set

Compass™ Routing Workflow Manager

➤ Image Routing

Automates the ingestion and distribution of medical imaging studies and information among heterogeneous clinical imaging systems.

Navigator™ Imaging Retrieval Workflow Manager

➤ Priors Fetching

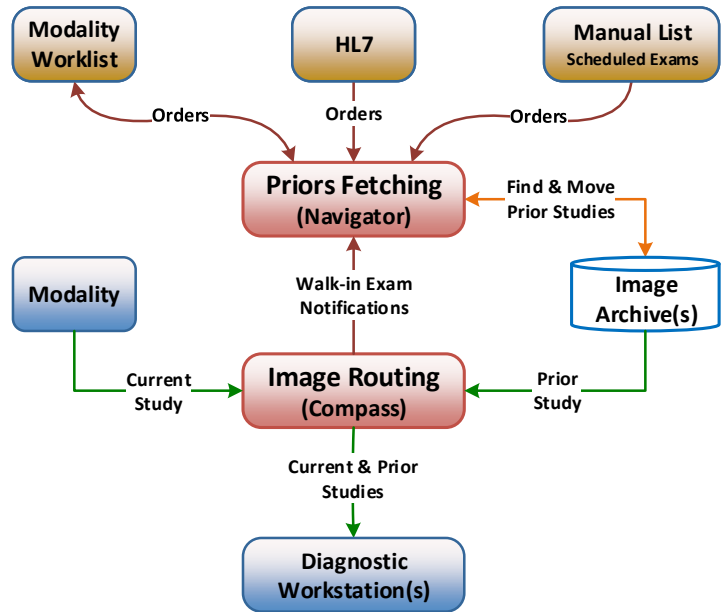
Orchestrates the availability of prior imaging studies and automates their retrieval and sharing across unlimited sources and destinations, reliably and efficiently.

Waypoint™ Consolidated Modality Worklist

➤ Enterprise Worklist Coordination

Enhances Compass and Navigator functionality with a consolidated worklist to ensure all relevant prior studies are available to the radiologist, even when exams are scheduled 12-24 months in advance.

Women's Imaging workflows must accommodate unscheduled exams, and deliver relevant prior studies needed to support the diagnostic process.



Features

- Monitors processes to learn when future exams will occur.
- Retrieves relevant prior studies from any number of accessible internal or external PACS or VNA archives.
- Makes accessible prior studies available to the reporting radiologist “just in time”, when needed.
- Ensures new studies arrive at the correct workstation to support the diagnostic process.
- Ensures new studies are properly archived, even if there are multiple archives involved.
- Captures and makes available historical studies, brought in by the patient on a CD or DVD.
- Updates and normalizes demographic data upon delivery or import, ensuring prior images are properly associated with new studies.
- Automates many formerly manual tasks and processes.