MammoIQ™

Closed-Loop Breast Imaging from Interpretation to Outcome

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ENTERPRISE HEALTHCARE SOLUTIONS

Overview

MammoIQ™ is a breast imaging platform designed to ensure that clinical decisions made during interpretation are carried through follow-up and resolved with documented outcomes. By unifying advanced breast imaging visualization, workflow-aware tracking, automated patient communication, and MQSA outcomes reporting into a single, continuous workflow, MammoIQ delivers clarity, accountability, and confidence across the breast imaging lifecycle.

MammoIQ can be deployed as a full breast imaging module within NovaPACS or as a standalone solution, supporting imaging centers, hospitals, and distributed reading environments.

Built and supported by Novarad.

Core Value Proposition

MammoIQ ensures that breast imaging decisions do not stop at interpretation. Unlike systems that simply record events, MammoIQ captures clinical intent at the point of reading and carries it through follow-up actions and final outcomes, enabling clear resolution for every case.

- **Tracking is the capability.**
- **Closure is the differentiator.**
- **Confidence is the outcome.**

NOTHING IN BREAST IMAGING SHOULD END WITH UNCERTAINTY.

Unified Breast Imaging Platform

MammoIQ connects interpretation, follow-up management, patient communication, and outcomes reporting into a single breast imaging workflow. This unified approach reduces fragmented systems, manual handoffs, and uncertainty, while providing a shared source of truth for radiologists, coordinators, managers, and compliance teams.

Advanced Breast Imaging Visualization

MammoIQ includes an advanced breast imaging viewer designed specifically for high-volume, multi-modality environments. Supported modalities include:

- Digital mammography
- Tomosynthesis
- Breast MRI
- Ultrasound

Progressive 2D and 3D hanging protocols, symmetric side-by-side layouts, integrated tomosynthesis navigation, and seamless modality toggling enable fast, confident comparison across current and prior studies. Intelligent synchronization ensures studies are aligned correctly without manual intervention.

Performance Optimized for Scale

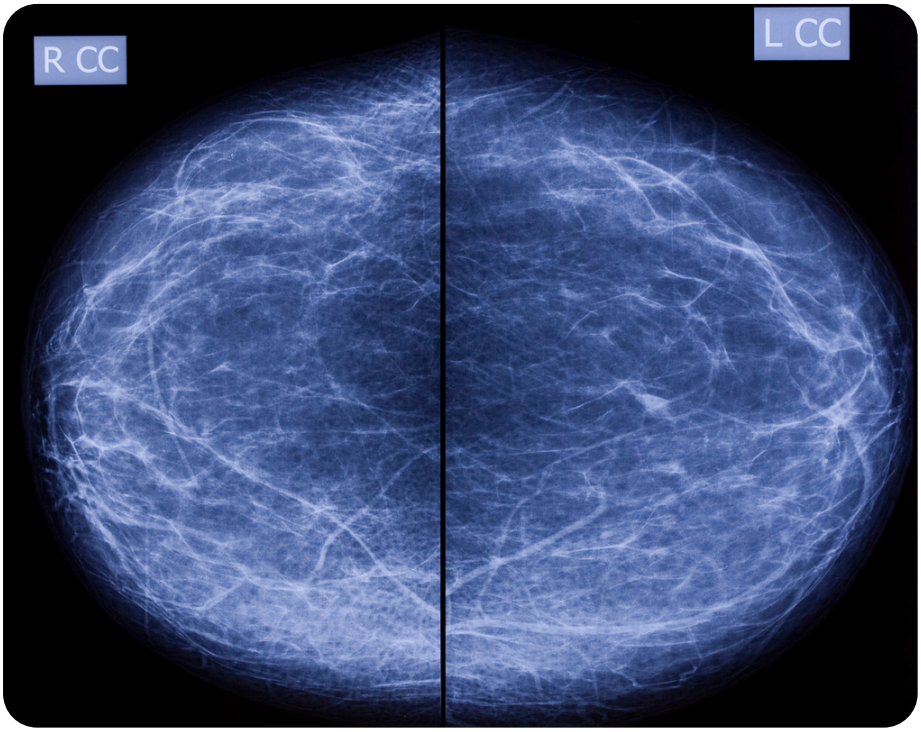
Breast imaging datasets often include hundreds of images and multiple tomosynthesis priors totaling gigabytes of data. MammoIQ is optimized for this reality through:

- Smart pre-fetching of prior studies
- Local caching at the mammography workstation
- Pre-aligned and pre-cropped images
- Rapid tomosynthesis loading

This architecture delivers responsive performance even in remote or cloud-based reading environments where traditional web viewers struggle.

Intelligent Data Access and Prior Synchronization

MammoIQ uses an object-store-based architecture to index and access images across connected systems. Images are accessed as if they reside locally, with seamless connectivity to multiple PACS and archives. Reliable access to priors reduces suspended cases and keeps reading workflows moving without unnecessary delays.



AI-Assisted Triage and Advanced Processing

MammoIQ integrates advanced analysis tools and AI-assisted workflows to support diagnostic confidence and efficiency, including:

- AI-powered triage to help prioritize critical cases
- Multi-slice and multi-phase subtraction
- Rate-of-enhancement analysis
- Region-of-interest tracking over time

These tools assist radiologists in focusing attention where it matters most, particularly in high-volume screening environments.

Built-In Compliance, QA, and Patient Follow-Up

MammoIQ embeds regulatory and quality requirements directly into the workflow. Automated BI-RADS and MQSA reporting, density tracking, quality assurance checks, and patient reminder letters are integrated into a continuous follow-up process from check-in through resolution.

By tying follow-up and outcomes to the original clinical intent, MammoIQ supports proactive compliance and reduces administrative burden while delivering defensible outcomes.

Summary

MammoIQ is not just a mammography viewer or a tracking system. It is a breast imaging platform designed to carry clinical decisions from interpretation through follow-up and outcomes—closing the loop on breast imaging and delivering confidence across the entire program.

Contact Us

Novarad is a provider of medical imaging and informatics solutions used by healthcare organizations worldwide. Novarad's product portfolio includes enterprise imaging, advanced visualization, AI-enabled workflows, and specialty solutions designed to support radiology and clinical care across the healthcare continuum.

For more information about MammoIQ or to schedule a demo, contact Novarad:

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