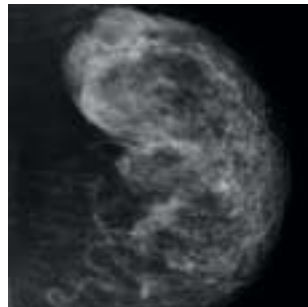
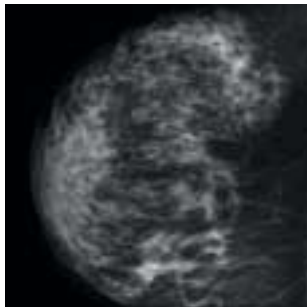


vision

Radiology with

MUSICA² for digital mammography



Agfa HealthCare

looks be

technology

There is more to the Agfa HealthCare solutions radiologists and technologists work with everyday. The technology they have come to rely on is built on decades of research and development, knowledge and dedication.

Complete CR mammography solution

Our CR mammography provides a complete mammography solution incorporating the very best in CR capabilities. This provides cost-effective, user-friendly results, each one based around our familiar cassette-based workflow, enabling you to use your existing analogue x-ray modalities to achieve a smooth transition from analogue to digital. The bottom line is minimal training and maximum affordability.

Streamlined workflow, superior image quality

As a result, you can rely on Agfa HealthCare to assist you optimally. Every day you benefit from visual gold standard diagnostic information, a cost-efficient design, a workflow that adapts to you and the satisfaction that comes with giving patients greater comfort.

yond



The image processing gold standard

Work with HD image quality

We complement our radiography solution with the dedicated digital image processing package MUSICA² for mammography to provide you with the best possible diagnostic information. The Multi-Scale Image Contrast Amplification algorithm composes the digital image in a number of different frequency ranges - or detail sizes, modulating the signal amplitudes or contrast within each of these ranges.

Two-dimensional enhancement is unique

But MUSICA² for mammography goes even further. It adds an extra image dimension: grayscale. In radiology, the possibility of adjusting both frequency and grayscale is a unique combination. This produces the highest possible quality visual output with enhanced detail, which makes it ideally suited to mammography.

Benefit from a smooth and cost-effective transition to digital radiology.

Keeping a close watch

with MUSICA² for mammography

Automatic optimization saves time

By automatically analyzing image characteristics and optimizing processing parameters MUSICA² for mammography minimizes the need for re- or post-processing, regardless of the variations in input or dose.

That makes MUSICA² for mammography a cost-efficient mammography solution that is less time-consuming. And it comes with a user-friendly interface that optimizes your workflow, so you can focus more on image analysis and patients.

MUSICA² for mammography refined

You and your patients benefit even more from MUSICA² for mammography because we have refined some of its crucial points, including:

- Improved visual output
- Micro Calcification Enhancement (MCE), a vital new feature

Optimized features for mammography

- General digital mammography image processing with 2 flavors ("tastes")

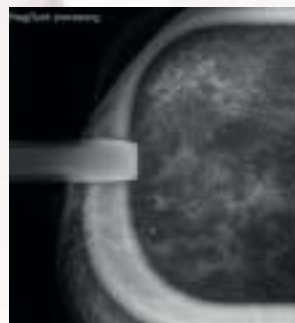


Mammography image with a conventional "more soft" visualization.



Mammography image with a more distinct "rich contrast" visualization.

- Dedicated processing for specialty examinations



- Magnification spot
- Needle biopsy
- Surgical biopsy
- Stereotaxy biopsy

Micro Calcification Enhancement state-of-the-art assistance for the radiologist

Micro Calcification Enhancement

Micro Calcification Enhancement (MCE) is a new intelligent algorithm that detects potential micro-calcifications or clusters. It facilitates reading by applying a subtle enhancement of potential micro-calcifications while preserving their shape without disturbing the overall visual context.

The intensity of the enhancement can be configured. And the visualization engine creates a new processed image with additional enhancement of detected micro-calcifications to raise the efficiency of your workflow. The original image and the MCE image are stacked so radiologists can easily switch between the two. The MUSICA² for mammography MCE image is always identified by the burnt-in MCE marker.

Critical benefits

MUSICA² for mammography with Micro Calcification Enhancement

- Highlights suspicious areas of potential pathology
- Expedites diagnosis based on the original image
- Facilitates reading sessions by compensating for concentration loss
- Disturbs the user less than CAD annotations, which generate too many false positives

Without MCE



With MCE



MCE highlights suspicious areas of micro calcifications without adding visual noise.

Dedicated image processing for mammography.

Gaining new perspective

Generating the highest possible image quality is an essential part of image processing. MUSICA² for mammography's ability to display the images just how you want them is where its added value lies.

We have introduced three new features that optimize your reading comfort and raise your efficiency.



A darker background reduces distraction and improves viewing comfort.

Getting the most out of your NX acquisition station

Noise reduction

You can change the background of each image to a deep black and significantly increase contrast. Minimizing noise allows you to invest all your energy in those parts of the image that really matter.

X-Ray Modality Connectivity

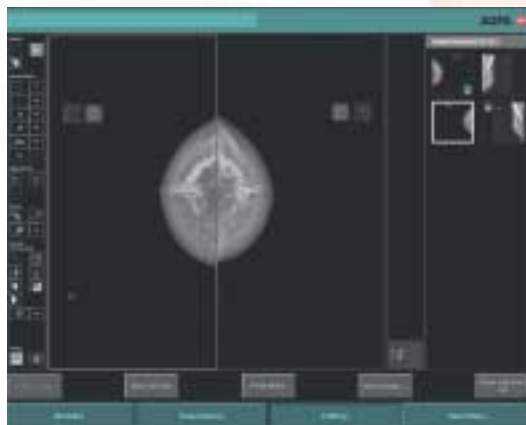
NX provides connectivity with several popular X-Ray modalities whereby the XRG attributes are automatically exchanged eliminating manual data entry and potential typing errors.

Enhanced clarity

Another way to improve contrast is by inverting an image with a dark background. The ability to display two versions of a single image - inverted and normal - enables efficient comparison.

Split-screen comparison

Switching between two screens to compare images is time-consuming. MUSICA² for mammography allows you to view two images on the same screen.



Ideal comparison: view two images on one screen.



Increased contrast by comparing two versions - inverted and normal - of one image.

Work with the best possible diagnostic information.

Why AGFA?

Agfa HealthCare is a global leader in the fast growing market of integrated IT and imaging systems, offering healthcare facilities a seamless flow of information and a 360° view of patient care. The company has a unique, holistic approach, enabling it to provide in-depth clinical know-how and fully integrated hospital-wide solutions. These specialized solutions integrate IT and imaging systems for Radiology, Cardiology, Mammography and Orthopaedics. Agfa HealthCare's MUSICA² for mammography is a dedicated digital image processing package that complements our radiography solutions, designed to let you benefit from visual gold standard diagnostic information, a cost-efficient design and a workflow that adapts to you.

www.agfa.com/healthcare

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Published by Agfa HealthCare N.V.

B-2640 Mortsel – Belgium

5PJPK GB 00201004