

Contrast-Enhanced Mammography



GE HealthCare: Over a decade of contrast mammography leadership worldwide

Contrast-Enhanced Mammography (CEM) is a game changer in breast diagnostic imaging and biopsy care.

GE HealthCare pioneered this technology in 2010 and is associated with over 200 publications that demonstrate its clinical performances.

GE HealthCare's CEM combines the morphologic and density information similarly to a conventional mammogram and the functional vascular information of a breast MRI¹. It presents an opportunity to create and implement a more streamlined workflow to help diagnosis breast cancer early.

In addition to increasing patient access, our CEM offering boasts high levels of sensitivity and specificity, allowing for the detection of lesions that would otherwise go undetected^{2,3,4}.

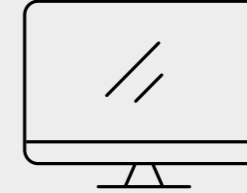
Our comprehensive Contrast-Enhanced Mammography package

01



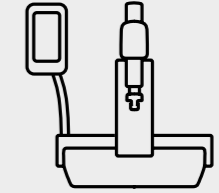
Senographe Pristina™ platform
Designed with women in mind to reshape the mammography experience.

02



SenoBright™ HD
The CEM mammography technology to see lesions that are otherwise masked^{2,3,4}.

03



Serena Bright™
The CEM biopsy solution to biopsy enhancing only lesions.

1. 510(k) K172404.
2. Compared to without contrast.
3. Sung JS, et al. Performance of Dual-Energy Contrast-enhanced Digital Mammography for Screening Women at Increased Risk of Breast Cancer. Radiology. 2019 Oct;293(1):81-88.
4. Sorin V, et al. Contrast-Enhanced Spectral Mammography in Women With Intermediate Breast Cancer Risk and Dense Breasts. AJR Am J Roentgenol. 2018 Nov;211(5):W267-W274.

SenoBright HD

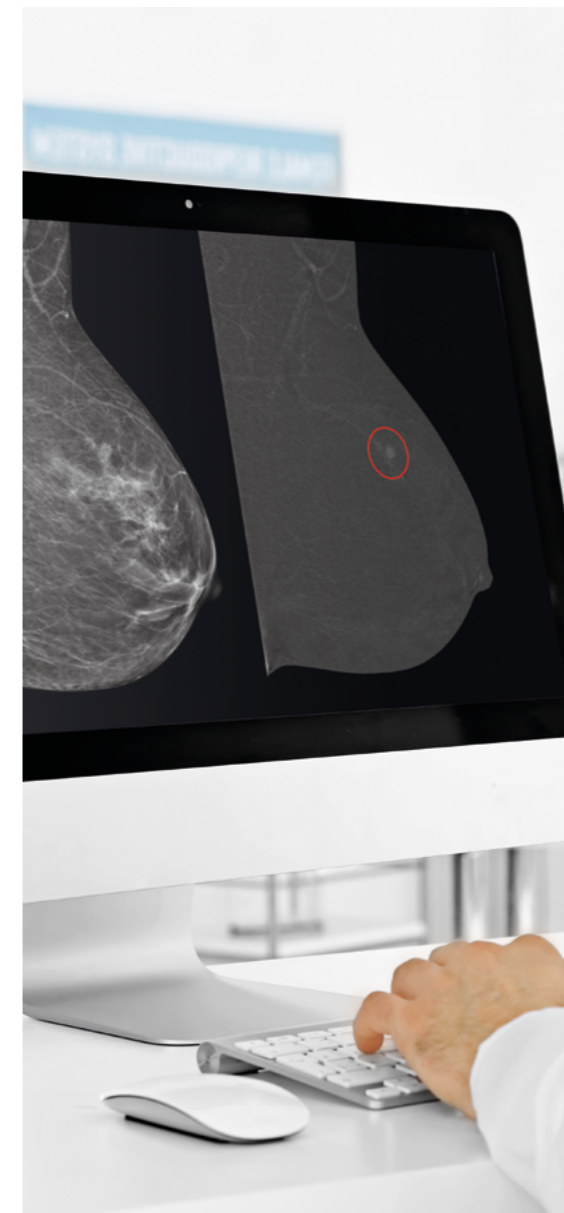
See differently, see in contrast

SenoBright HD Contrast-Enhanced Mammography offers an astonishingly clear way of seeing what matters in the breast: the image you need is never out of reach.

Helps reduce the masking effect of fibroglandular breast tissue and increases the tumor signal¹.

Contrast agent highlights areas of unusual blood flow.

CEM is an alternative imaging method to MRI, especially when MRI availability is limited, and for patients for whom MRI is contraindicated².



High sensitivity

CEM offering boasts high levels of sensitivity and specificity, allowing for the detection of lesions that would otherwise go undetected.^{3,4,5}



High specificity

SenoBright HD provides high specificity to reduce false positives and help prevent unnecessary exams⁶.



High patient throughput

Performance of Senographe Pristina platform enables no wait time before or after CEM allowing for optimal flexibility to support all imaging needed for your patients.



Fast

The SenoBright HD exam is fast, it can be performed in less than 7 minutes⁷. It accelerates your ability to make a confident diagnosis.



Patient preference

Two out of three patients prefer the SenoBright HD experience to a breast MRI, with faster procedure time, greater comfort, lower noise level and lower rates of anxiety⁸.

1. 510(k) K172404.

2. Phillips et al. Workflow Considerations for Incorporation of Contrast-Enhanced Spectral Mammography Into a Breast Imaging Practice, ACR, 2018 <https://doi.org/10.1016/j.jacr.2018.02.0121>.

3. Compared to without contrast.

4. Sung JS, et al. Performance of Dual-Energy Contrast-enhanced Digital Mammography for Screening Women at Increased Risk of Breast Cancer. Radiology. 2019 Oct;293(1):81-88.

5. Sorin V, et al. Contrast-Enhanced Spectral Mammography in Women With Intermediate Breast Cancer Risk and Dense Breasts. AJR Am J Roentgenol. 2018 Nov;211(5):W267-W274.

6. 510(k) K172404.

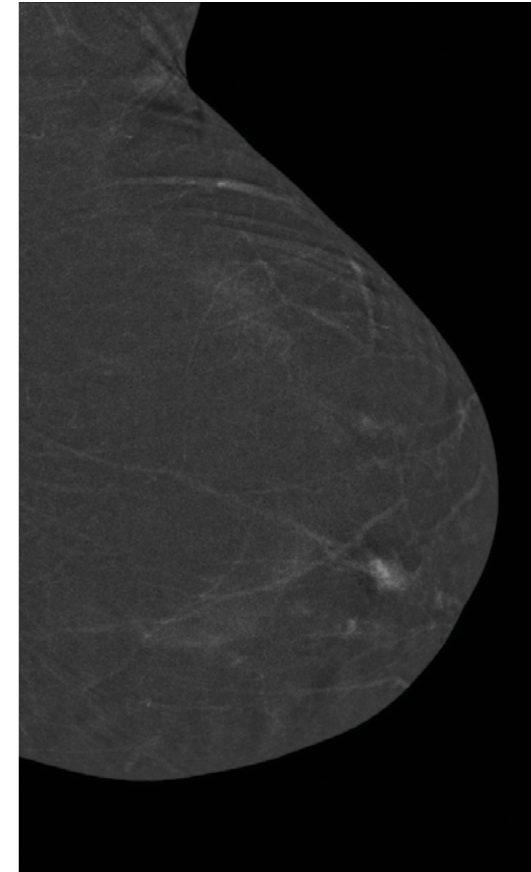
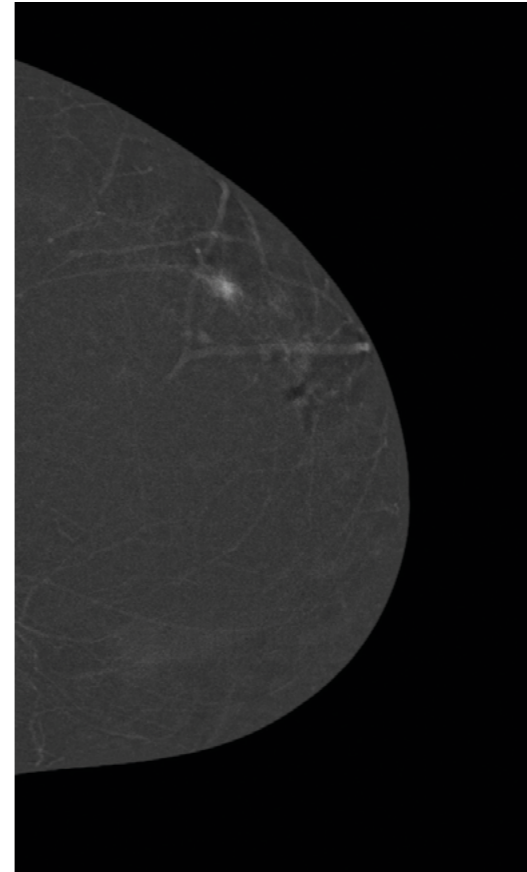
7. Procedure test results. Data on file GE HealthCare 2017

8. Hobbs et al., Contrast-enhanced spectral mammography (CESM) and contrast enhanced MRI (CEMRI): Patient preferences and tolerance, J Med Imaging Radiat Oncol. 2015



Story 01

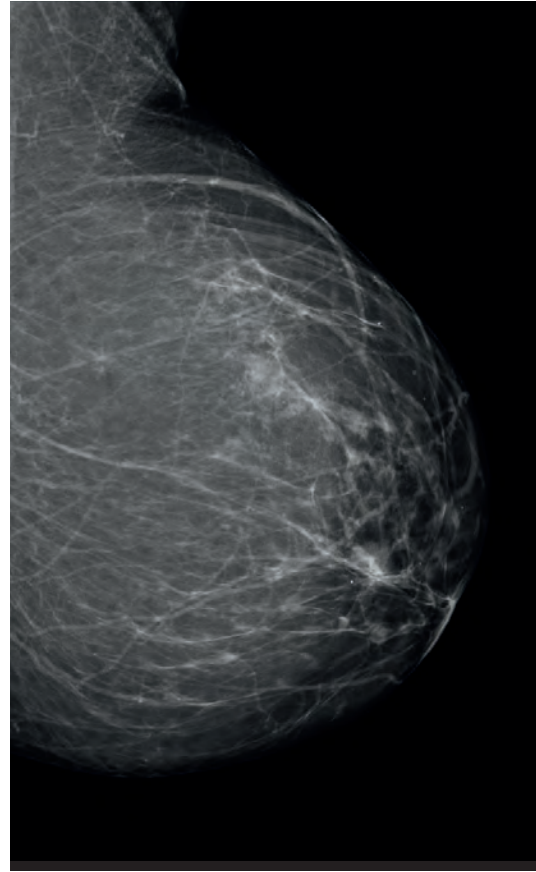
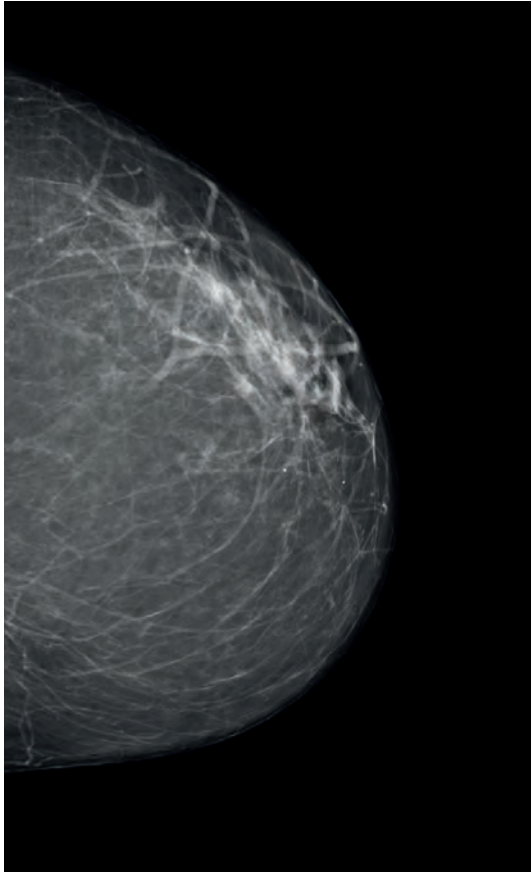
Contrast-Enhanced Mammography



01

SenoBright contrast-enhanced images

The SenoBright images clearly showed the exact location of the contrast enhanced lesion on both views, with no suspicions of other foci. Biopsy proved the lesion to be invasive ductal carcinoma.



SenoBright low-energy images

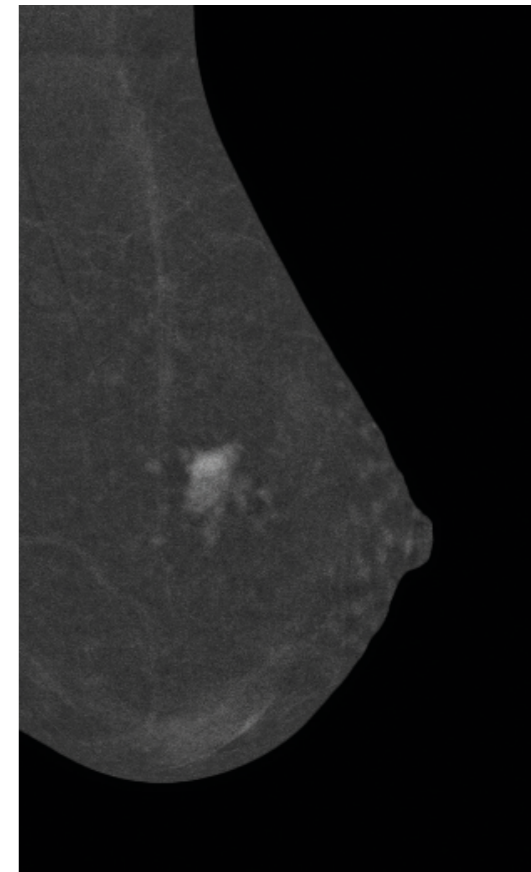
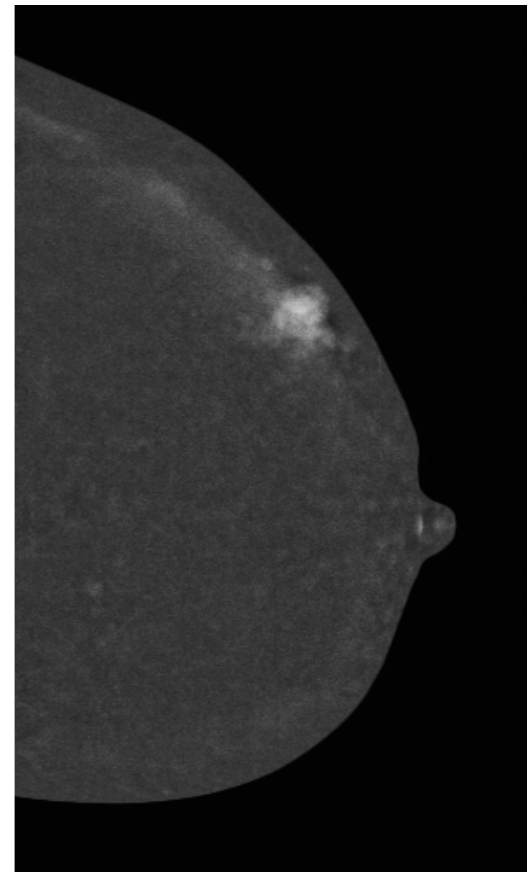
A palpable mass in the patient's left breast was occult on a standard mammogram and visualized on ultrasound.



Story 02

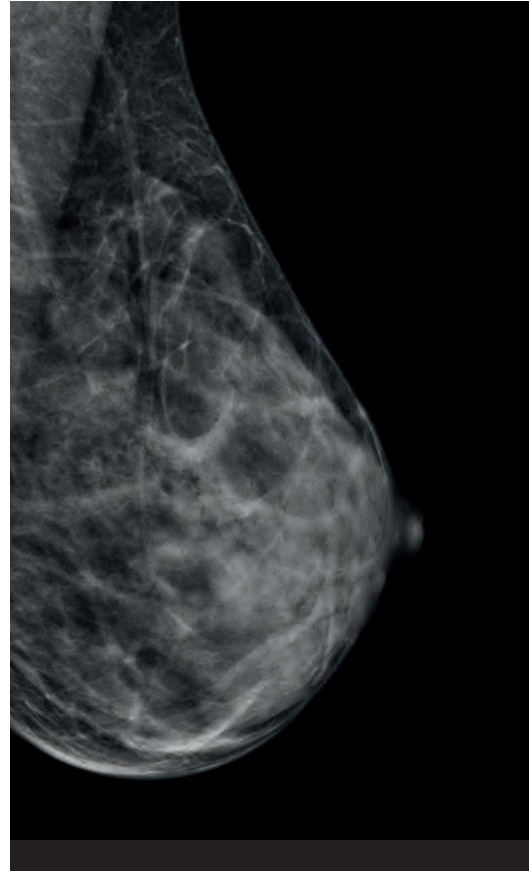
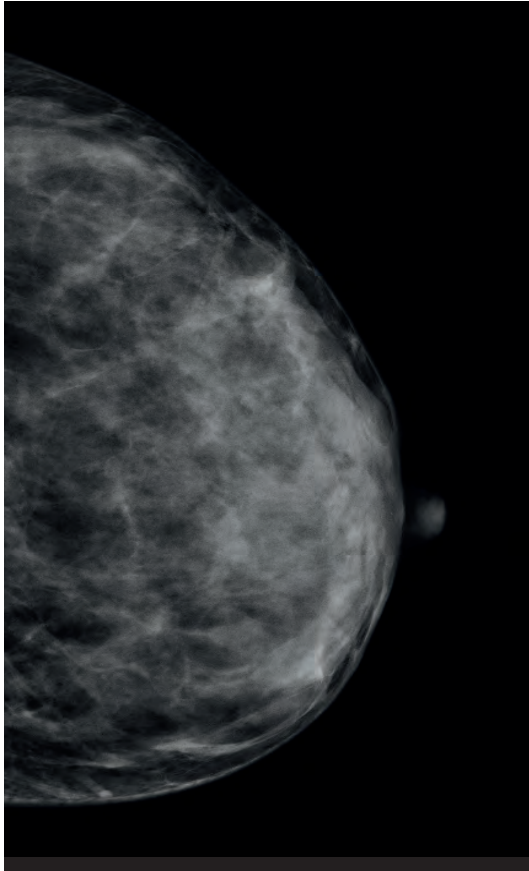
Contrast-Enhanced Mammography

02



SenoBright contrast-enhanced images

The SenoBright images clearly showed the exact location of the contrast-enhanced areas on both views, corresponding to the microcalcifications noted on the original mammography. Biopsy proved the lesion to be invasive ductal carcinoma.



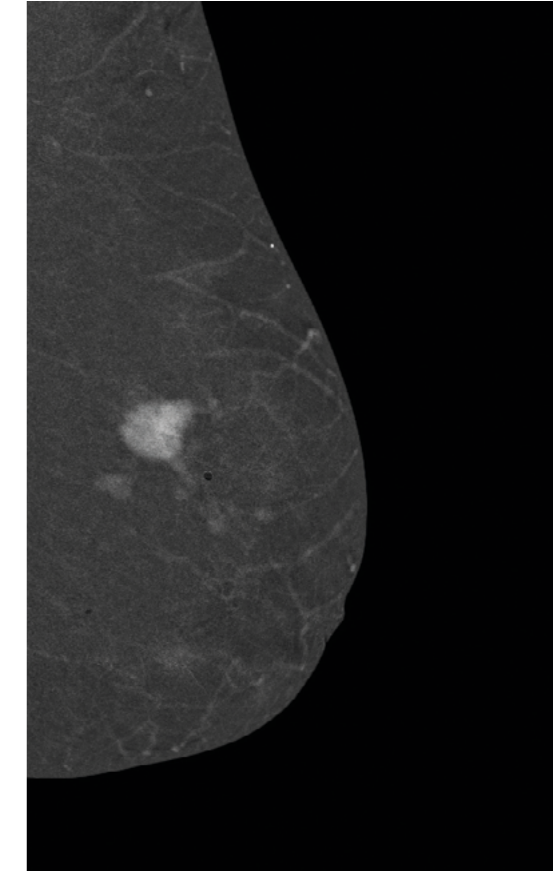
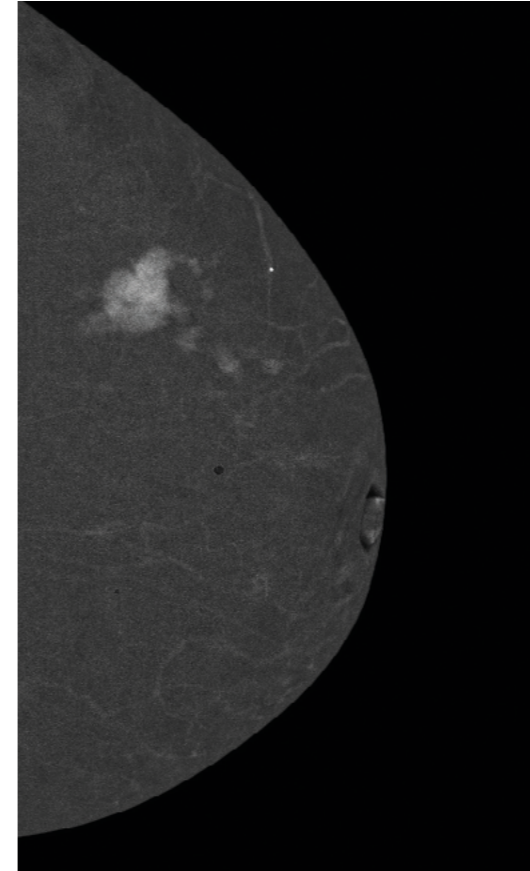
SenoBright low-energy images

This patient presented with a palpable mass in her left breast. Mammography showed a cluster of microcalcifications and architectural distortion.



Story 03

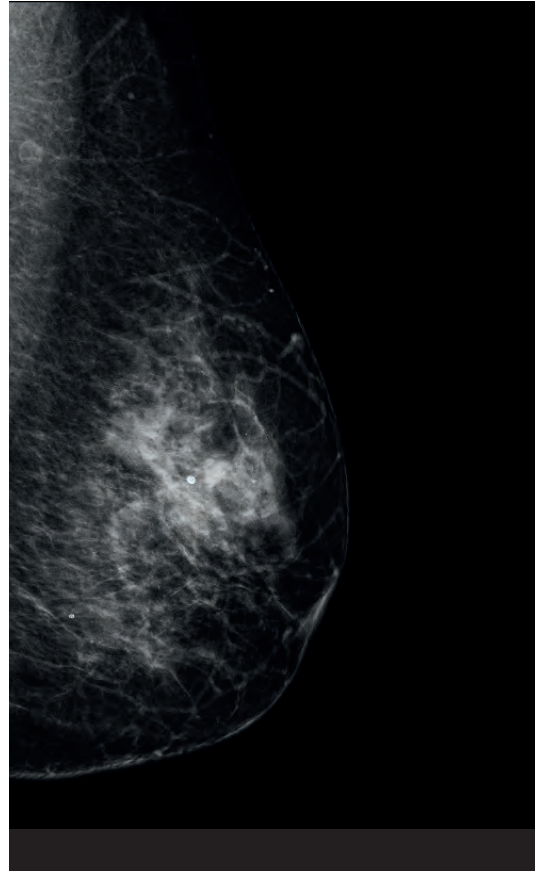
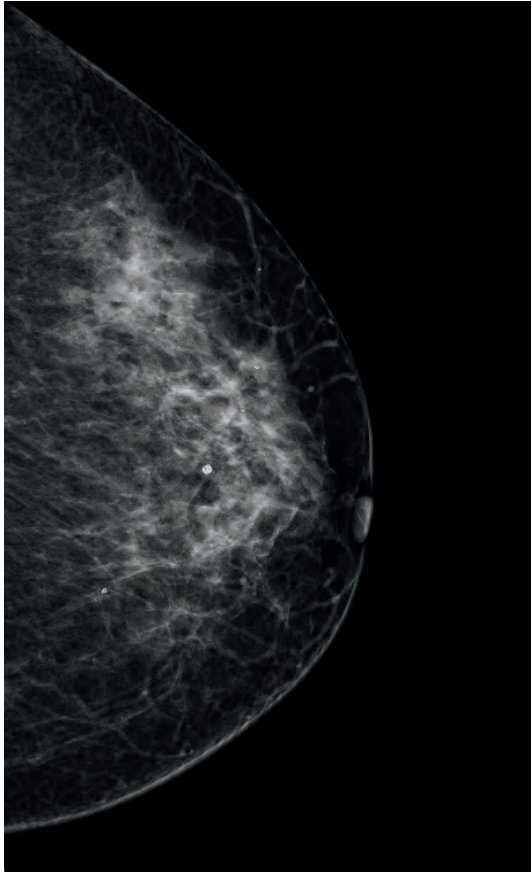
Contrast-Enhanced Mammography



03

SenoBright contrast-enhanced images

SenoBright quickly confirmed the area of concern and revealed additional satellites, helping the patient to understand the need for additional treatment.

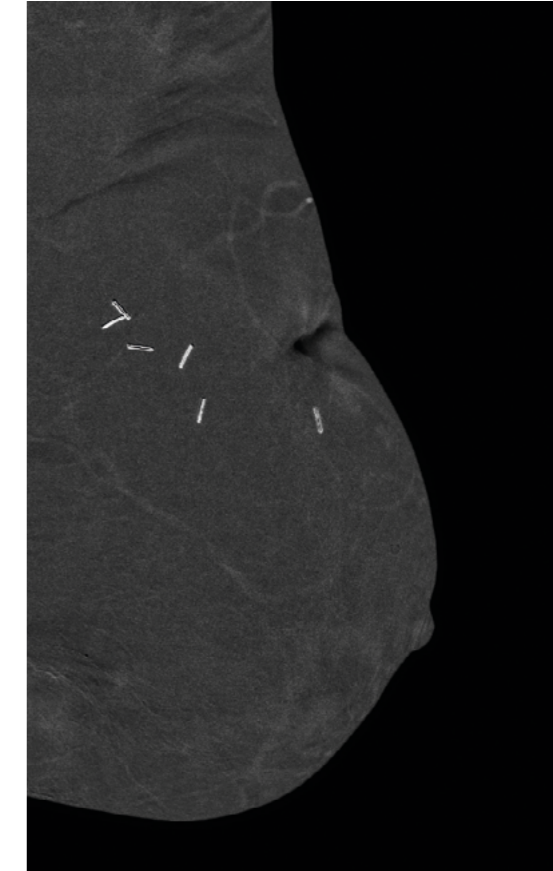
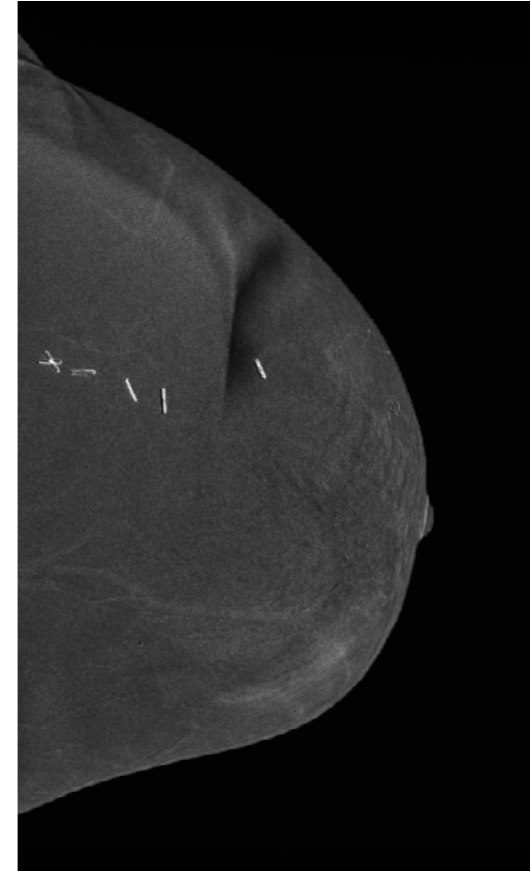


SenoBright low-energy images

Patient is a breast cancer survivor presenting with a palpable lesion in the opposite breast.

Story 04

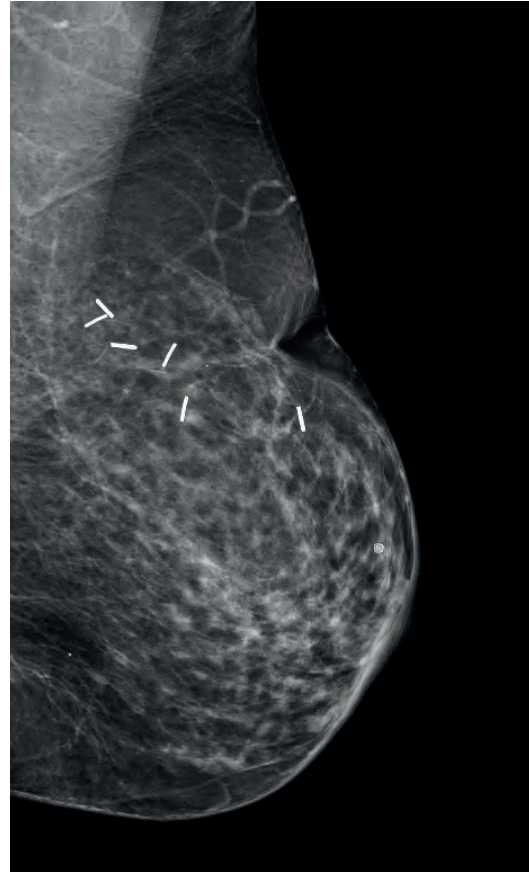
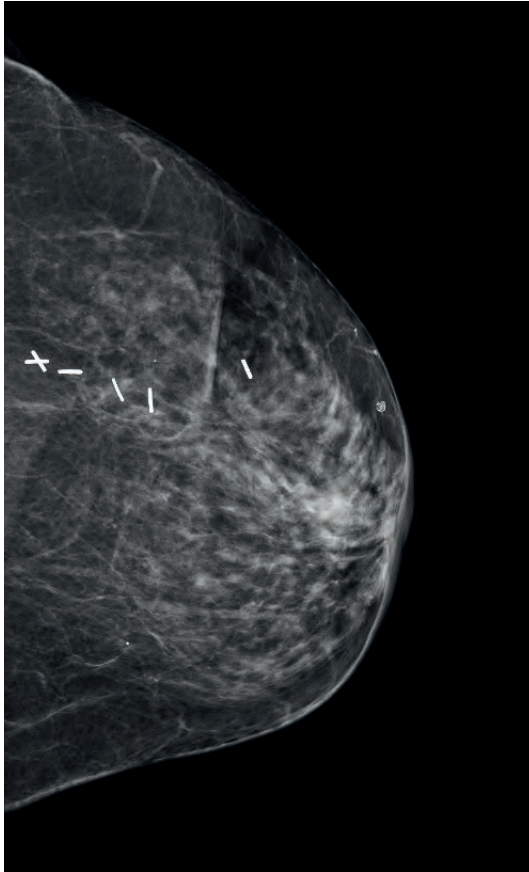
Contrast-Enhanced Mammography



04

SenoBright contrast-enhanced images

SenoBright easily removes the morphology of breast tissue to show that no recurring disease in the surgical bed can help provide immediate peace of mind to the radiologist and patient.



SenoBright low-energy images

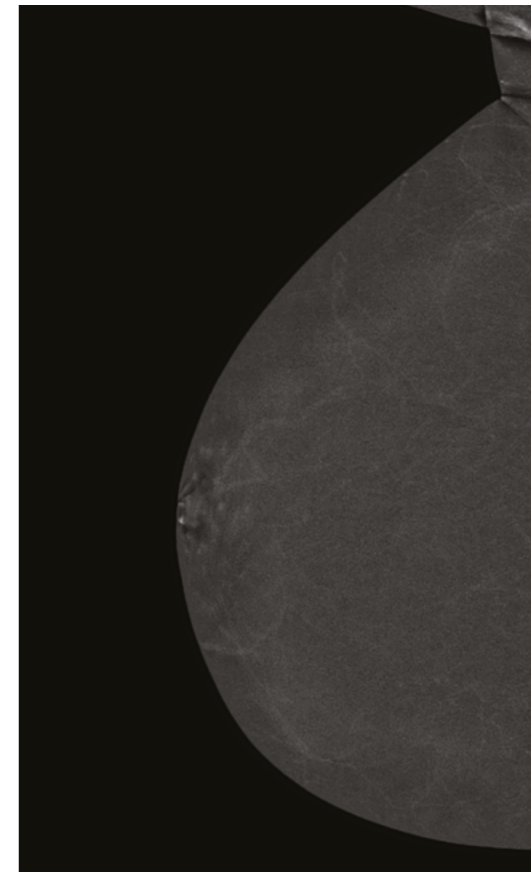
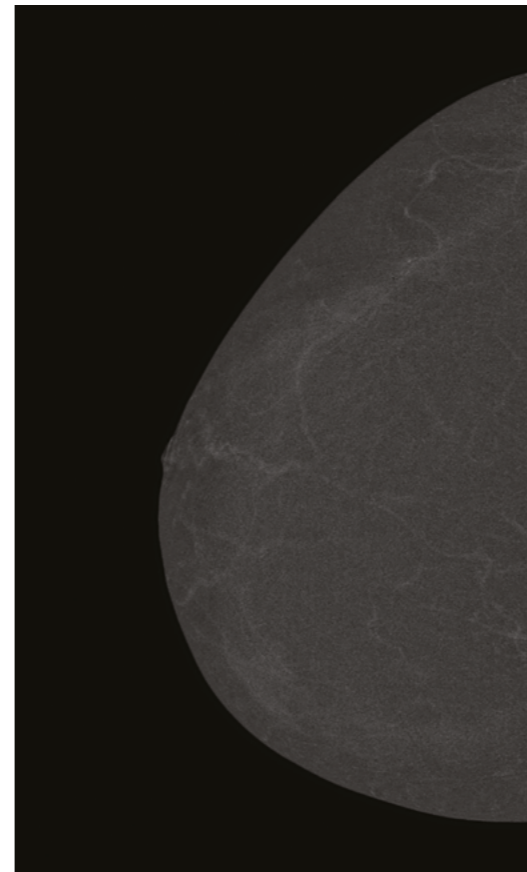
Scar tissue from prior breast surgeries are challenging for Radiologist's to read and report confidently to the patient that there is no recurring disease.



Story 05

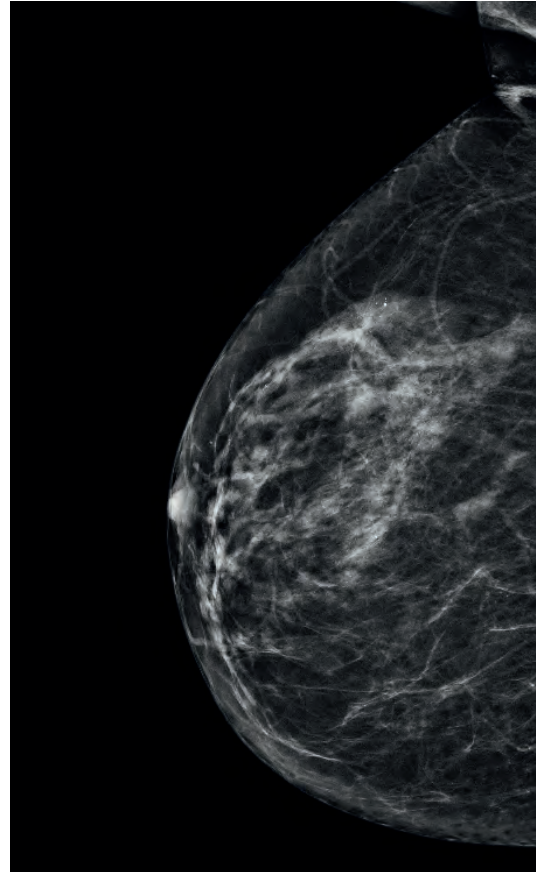
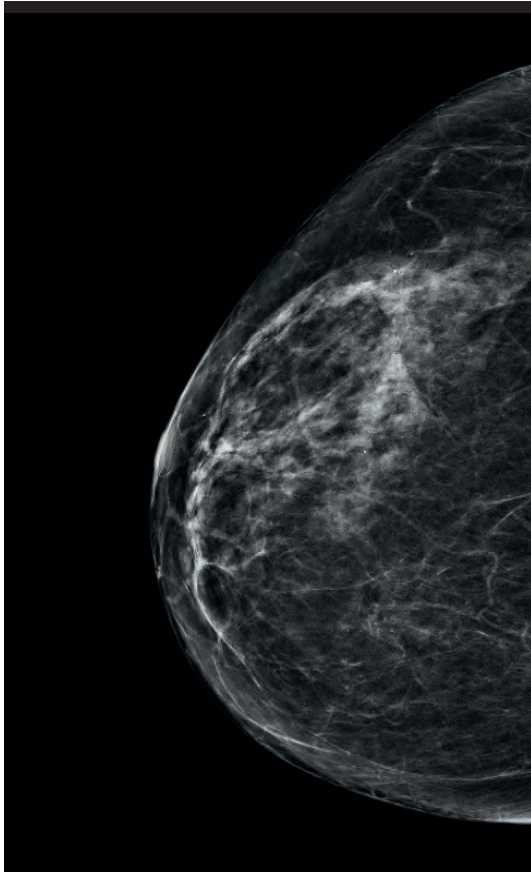
Contrast-Enhanced Mammography

05



SenoBright contrast-enhanced images

SenoBright clearly removes the morphology of the breast tissue with no enhancement resolving any concern for perceived distortion.



SenoBright low-energy images

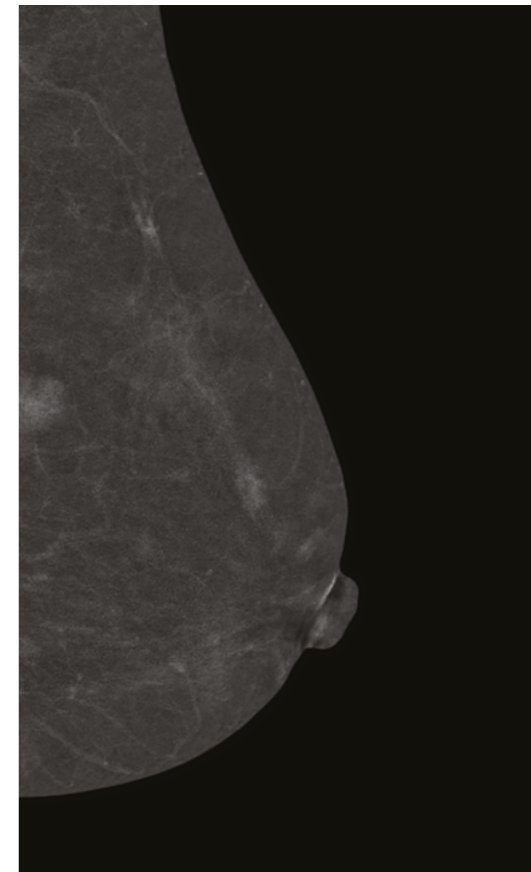
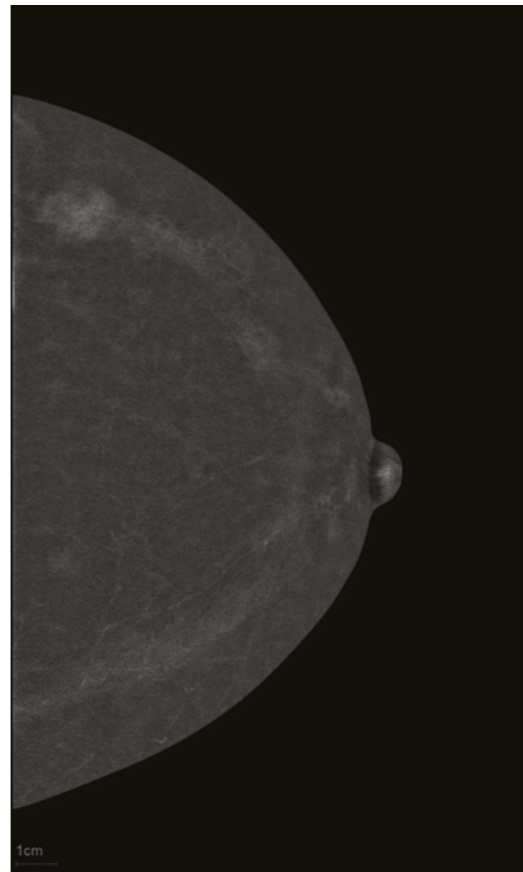
From screening an area of architectural distortion is seen.
A SenoBright exam is recommended to provide extra confidence.



Story 06

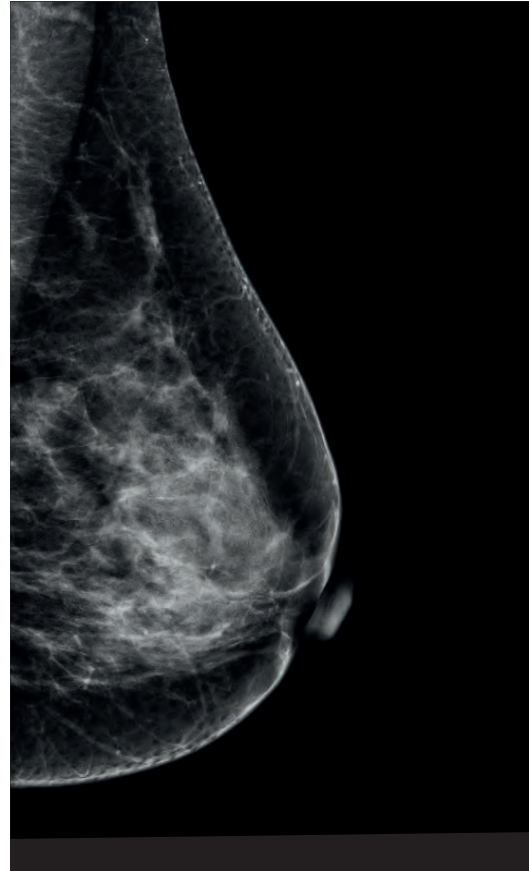
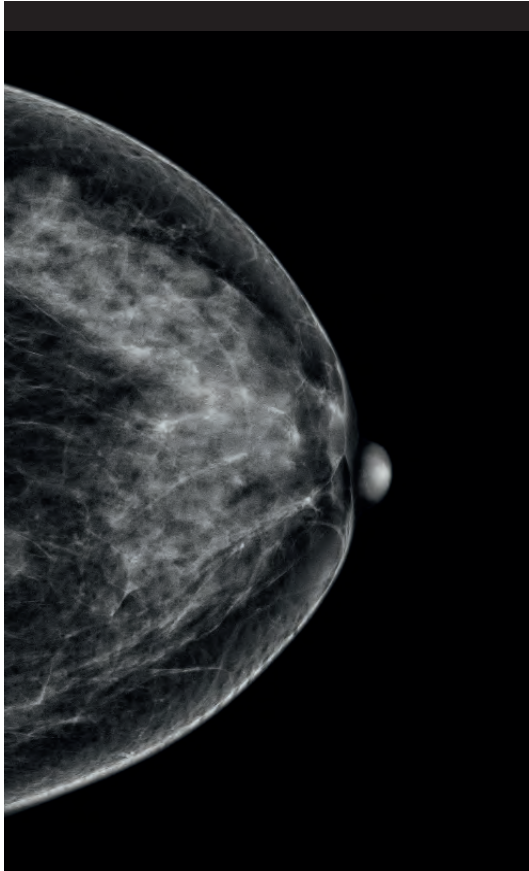
Contrast-Enhanced Mammography

06



SenoBright contrast-enhanced images

The suspicious asymmetry from screening did not enhance, however, two unappreciated areas of enhancement became evident resulting in a cancer diagnosis.



SenoBright low-energy images

A small asymmetry of density was seen on this mammogram; ultrasound was performed, the result was inconclusive. For further rule-out, SenoBright was recommended.



SenoBright HD

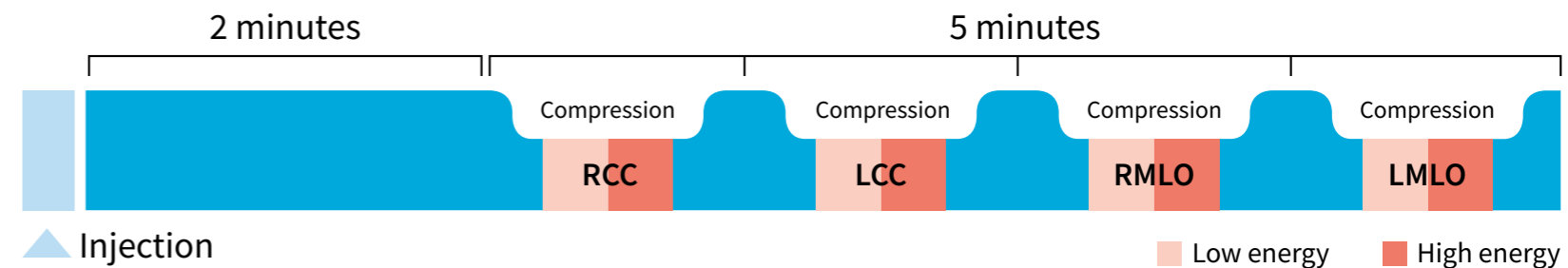
See differently, see in contrast

How does it work?

When an exam is inconclusive, you need tools to help remove uncertainty. The SenoBright HD exam is fast— it can be performed in less than 7 minutes¹ — helping you reach a confident diagnosis more quickly.

- A standard intravenous iodine injection is performed in your radiology department.
- The usual 4 mammographic views are acquired on the same mammography system.

It's fast, accurate, straightforward, and cost-effective.



1. Procedure test results. Data on file GE Healthcare 2017.

Resources

Coding and reimbursement guide for breast imaging

A comprehensive reference for healthcare professionals on coding practices and reimbursement procedures in breast imaging.



Scan the QR code for more information



CEM eLearning program

Covers all aspects of customer experience management (CEM) through experience sharing, includes a self-assessment component.



Scan the QR code for more information



Whitepapers and scientific publications

A series of white papers co-authored with leading institutions, offering expert insights across key domains.



Scan the QR code for more information



Customer testimonials

Voices of our customers sharing their journeys and outcomes with our contrast solutions.



Scan the QR code for more information





GE HealthCare

About GE HealthCare Technologies Inc.

GE HealthCare is a trusted partner and leading global healthcare solutions provider, innovating medical technology, pharmaceutical diagnostics, and integrated, cloud-first AI-enabled solutions, services and data analytics. We aim to make hospitals and health systems more efficient, clinicians more effective, therapies more precise, and patients healthier and happier. Serving patients and providers for more than 125 years, GE HealthCare is advancing personalized, connected and compassionate care, while simplifying the patient's journey across care pathways. Together, our Imaging, Advanced Visualization Solutions, Patient Care Solutions and Pharmaceutical Diagnostics businesses help improve patient care from screening and diagnosis to therapy and monitoring. We are a \$19.7 billion business with approximately 53,000 colleagues working to create a world where healthcare has no limits.

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