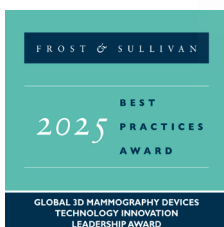
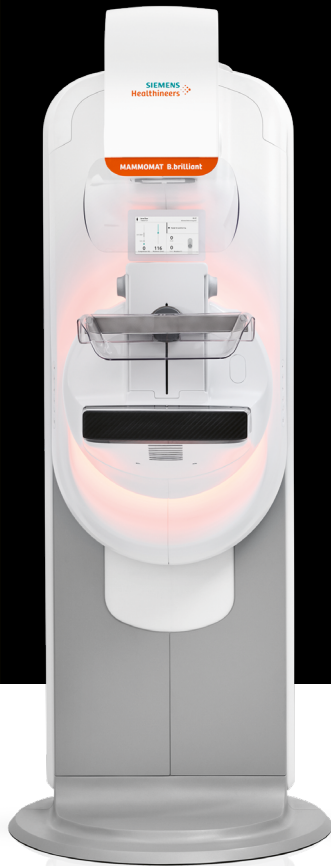


MAMMOMAT B.brilliant

Exclude the maybes.

with PlatinumTomo and ClearCEM

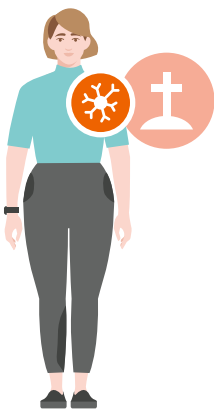
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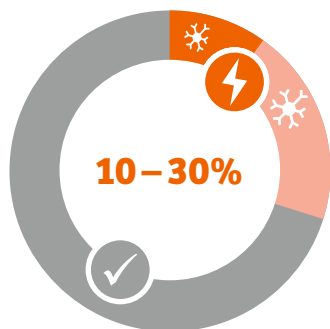
red**dot** winner 2025

SIEMENS
Healthineers

Continuing challenges in breast cancer detection




For women, **breast cancer** is the **2nd leading cause of cancer-related deaths** in the developed world.¹



Radiologists **still miss** between **10% and 30%** of breast cancers.¹





"The last thing I want in breast cancer screening is a 'maybe'. I want straightforward answers, either a 'yes' or 'no'."

MAMMOMAT B.brilliant

Exclude the maybes.

with PlatinumTomo and ClearCEM



A new benchmark in image quality

Rely on unprecedented image quality thanks to PlatinumTomo and ClearCEM.



A new level of patient-centricity

Make patient comfort a priority with smart, fast, and intuitive workflows.



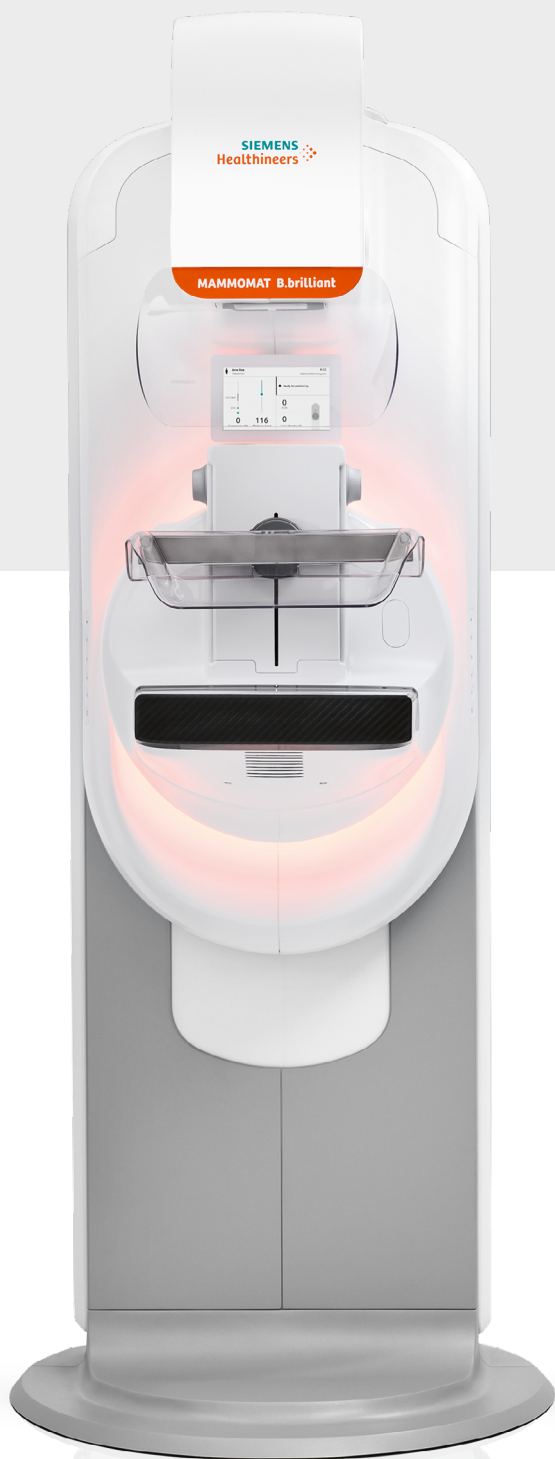
A full spectrum of biopsy solutions

Get fast, easy access to advanced diagnostic methods: Biopsies guided by PlatinumTomo and supported by next-generation ClearCEM.



A system that pays off

Benefit from high patient throughput and great customer support with a service experience that goes above and beyond pure maintenance.



In the fight against breast cancer, we do what we can to offer support. We believe that our biggest impact lies in complementing your experience with ours – our track record of technological breakthroughs.

MAMMOMAT B.brilliant aims to offer uncompromised and personalized cancer detection to women who want straightforward answers – with higher accuracy,^{2,3} easy workflows,² and efficient diagnostic processes. It is the first mammography system to feature PlatinumTomo, with 50° Wide-Angle Tomosynthesis and the highest depth resolution in mammography⁴, combined with excellent in-plane resolution.

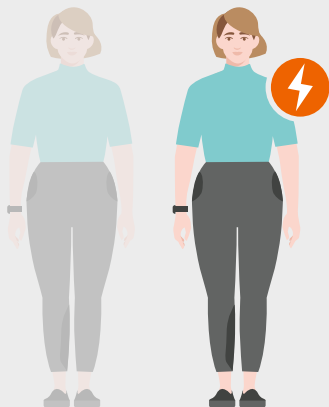
Now it is breaking new ground again, combining the many advantages of PlatinumTomo and ClearCEM, which is also available for biopsy.

Experience the highest mass detectability in mammography,⁵ excellent in-plane resolution,⁴ and customizable image impression. MAMMOMAT B.brilliant is easy to work with, offering convenient decision processes for all mammography-based diagnostic applications² – developed with women's wellbeing in mind.

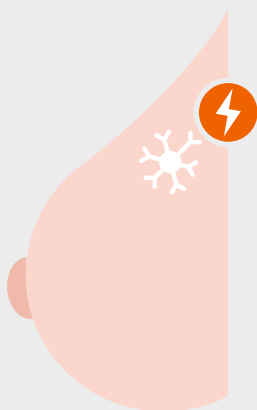
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Challenges of false-positive or false-negative findings



Research suggests **50% of women** getting annual mammograms will have a **false-positive finding**.^{*6}



At the same time, about **1 in 8 breast cancers** are missed due to **false negatives**.⁶

Diagnostic uncertainty resulting from questionable image quality can result in negative consequences for patients – no matter if it is overlooked cancer, overdiagnosis, or avoidable recalls.

A new benchmark in image quality

MAMMOMAT B.brilliant delivers unprecedented image quality for digital breast tomosynthesis and FFDM images, helping you provide accurate results to your patients.

The highest depth resolution and excellent in-plane resolution⁴

MAMMOMAT B.brilliant offers innovative features that safeguard excellent image resolution at decreased scanning time and lower patient dosage:^{2,3} From 50° Wide-Angle Tomosynthesis and flying focal spot technology to AI-powered image reconstruction to make synthetic 2D images look closer to FFDM images than ever before.⁶ Benefit from highest depth resolution and excellent mass detectability as well as excellent in-plane resolution to enable more accurate detection of breast cancer.

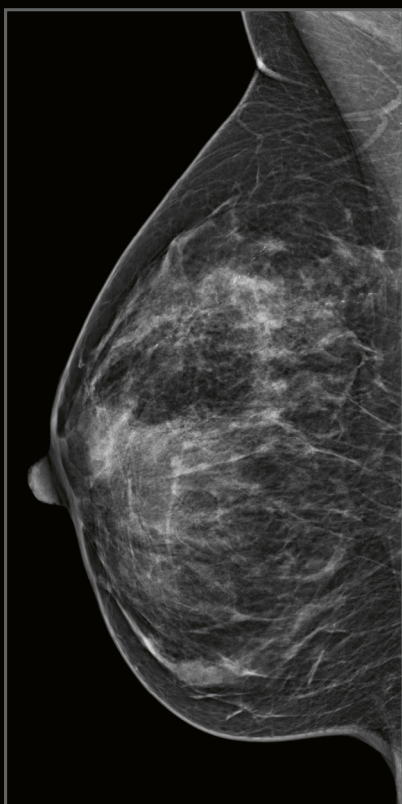
Comfortable switch from other systems

Whether you perform tomosynthesis (DTB), Insight 2D, or FFDM, MAMMOMAT B.brilliant allows you to choose image contrast and sharpness according to your personal preferences. Your choice of image impression can help you switch more easily and comfortably from other systems – and can give you an easier way to compare results to previously acquired images.

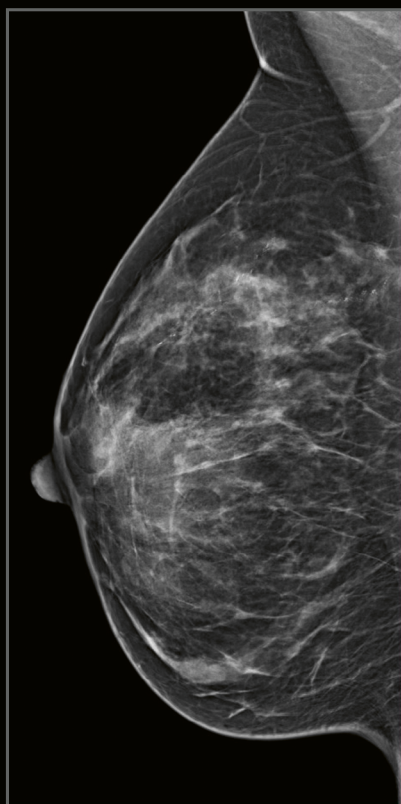
A new era in contrast-enhanced mammography

For convenient investigation of inconclusive findings in the most challenging cases, MAMMOMAT B.brilliant now offers ClearCEM as well as ClearCEM Biopsy.

For more on ClearCEM, go to page 14.
For all your biopsy options, see page 20.

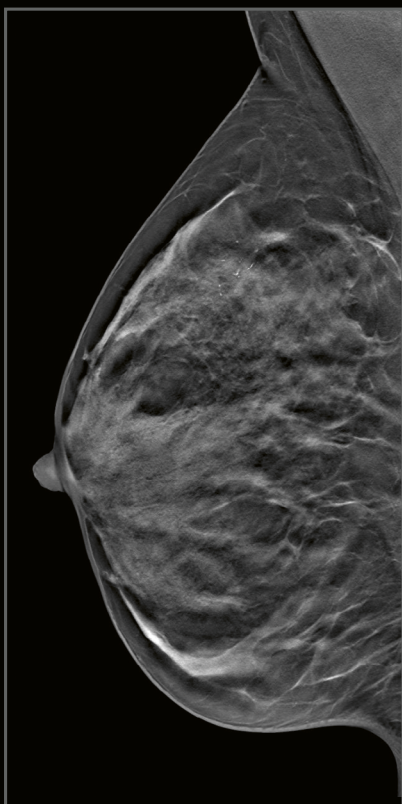


FFDM

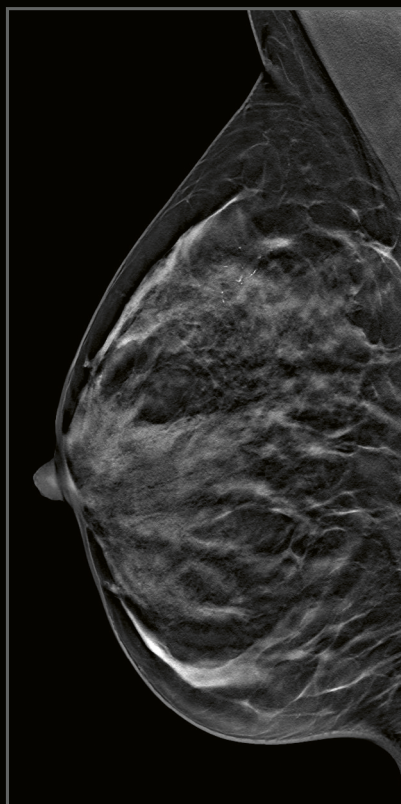


Insight 2D

Study ID: 1aac758



DBT Flavor 0



DBT Flavor 1

PlatinumTomo

The new breed of tomosynthesis image acquisition technology

Learn how PlatinumTomo employs breakthrough technologies to innovate mammography.

Highest depth resolution⁴ and excellent in-plane resolution in no more than 5 seconds!^{2,7}

50° Wide-Angle Tomosynthesis

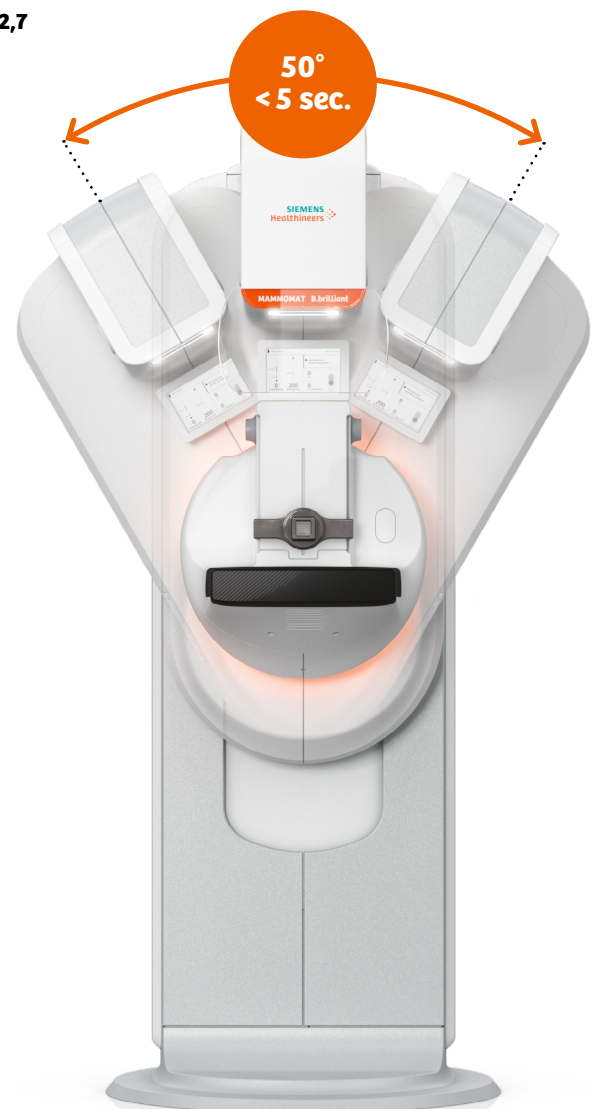
Leverage the highest depth resolution on the market³

Our image acquisition angulation provides you with the highest depth resolution and excellent mass detectability.⁵ 50° Wide-Angle Tomosynthesis can help you overcome diagnostic challenges, like overlapping tissue, with up to 3.5 times higher depth. Designed to help you rule out the maybes in breast cancer detection.^{2,8}

Cutting-edge detector

Faster read-out time for higher image acquisition speed

Our detector features a fast read-out, meaning less compression time and higher tomosynthesis image acquisition speed. The slim detector housing provides more space for the patient to stand comfortably, while offering easy wheelchair accessibility.²



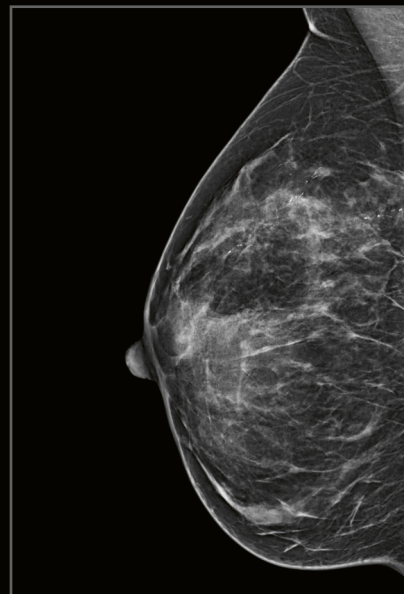
Unique flying focal spot technology**Excellent in-plane resolution and acquisition speed**

The unique flying focal spot technology enables short X-ray pulses that lead to a small flying focal spot size even when the tube is moving. Combined with the 50° Wide-Angle Tomosynthesis, this technology delivers images with excellent in-plane resolution without compromising on depth resolution or acquisition time. Speed up workflows and benefit from a better visualization of lesions, calcifications, and architectural distortions to improve diagnostics.²⁻⁴

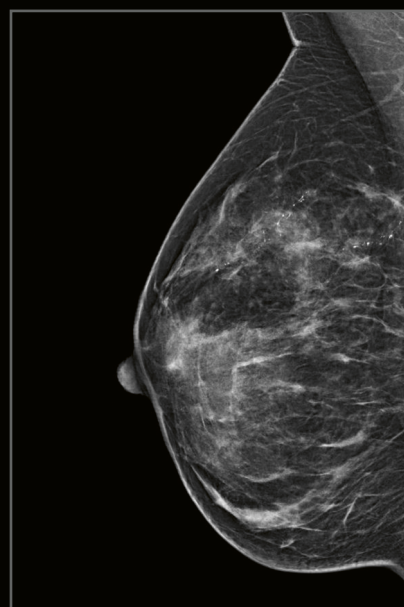
PREMIA image reconstruction**Improve visibility of pathologies and benefit from fast reconstruction²**

The improved PREMIA image reconstruction framework automatically enhances images to reduce artifacts and enhance visibility of calcifications and lesions. Thanks to its AI-powered noise reduction, PREMIA also boosts synthetic mammogram sharpness. With an aim to provide you with the best reading experience, PREMIA offers customizable image impressions for FFDM, tomosynthesis, and synthesized 2D images. In this way, PREMIA helps you speed up workflows and seamlessly switch from other systems.

Rule out maybes and give patients peace of mind with proven diagnostic capabilities.

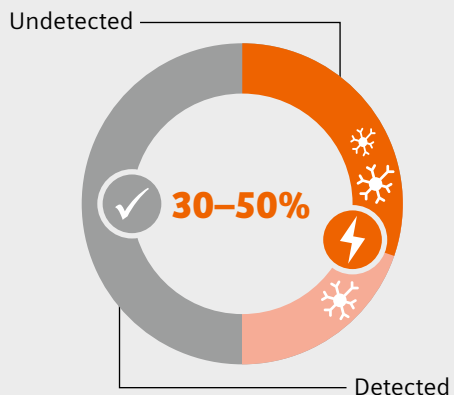
Insight 2D – the new standard for synthetic mammograms

Get a synthesized 2D image that can replace FFDM as an adjunct to digital breast tomosynthesis.

Insight 3D – the only rotating 3D mammogram

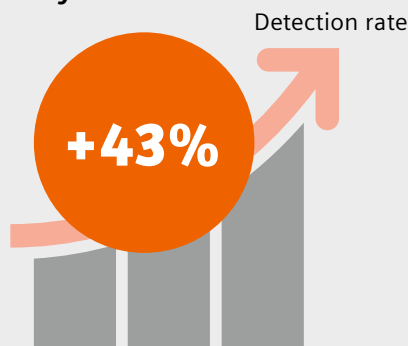
Insight 3D delivers superior visualization of microcalcifications and their distribution as compared to tomosynthesis alone.^{9,10}

Traditional 2D mammography



30–50% of malignant tumors may be left undetected.¹¹

50° Wide-Angle Tomosynthesis

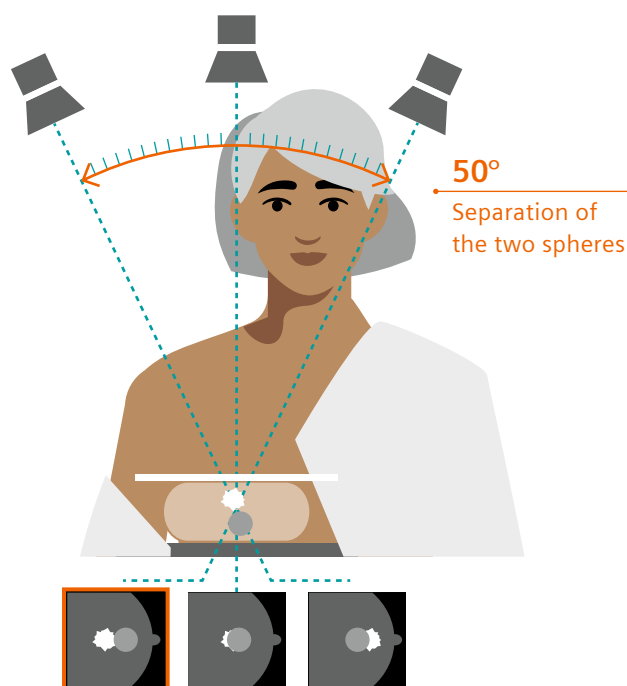


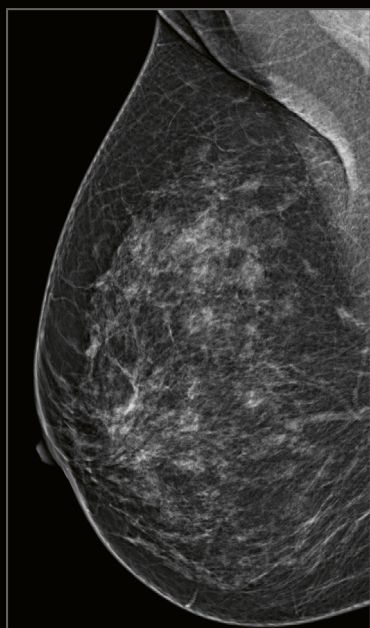
Increased invasive cancer detection rate of 43% with just a one-view tomosynthesis scan⁶ and a 15% dose reduction in one of the largest studies worldwide with more than 15,000 screened women.⁵

Why a wide angle is the right angle

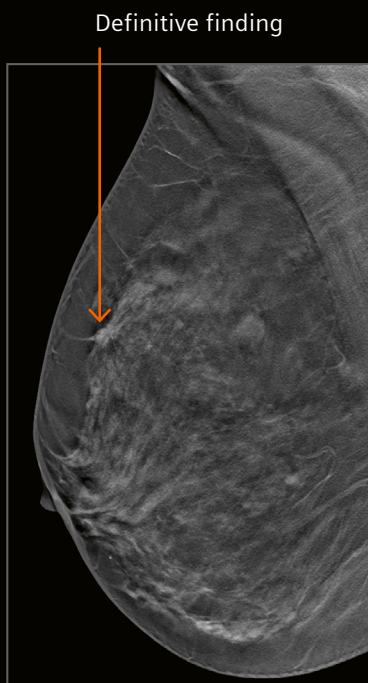
PlatinumTomo including 50° Wide-Angle Tomosynthesis – designed for greater accuracy and diagnostic confidence.

Benefit from highest differentiation of overlapping tissues^{4,12}

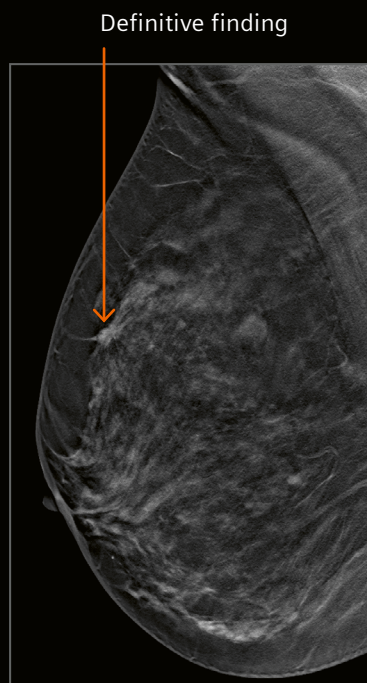




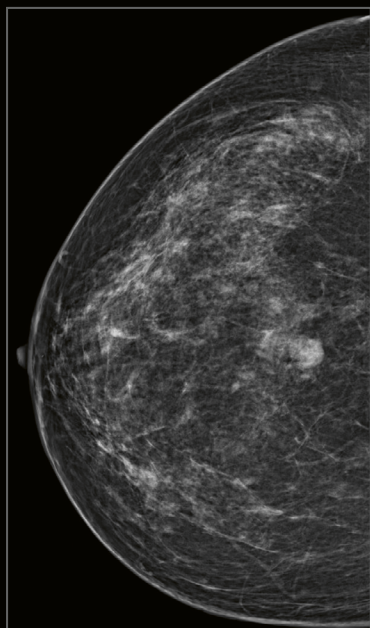
FFDM



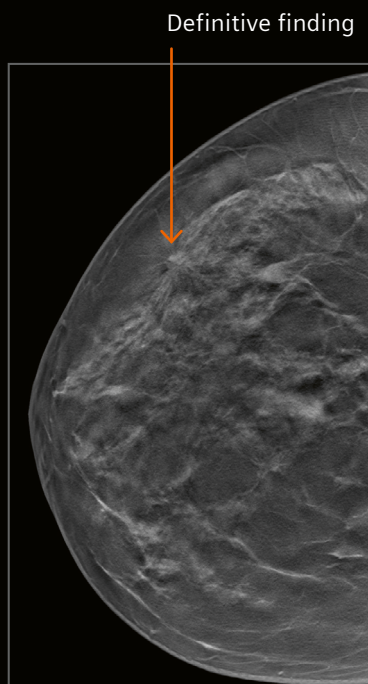
DBT Flavor 0



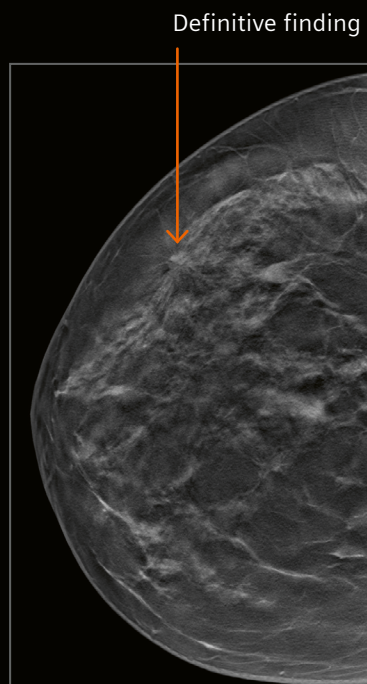
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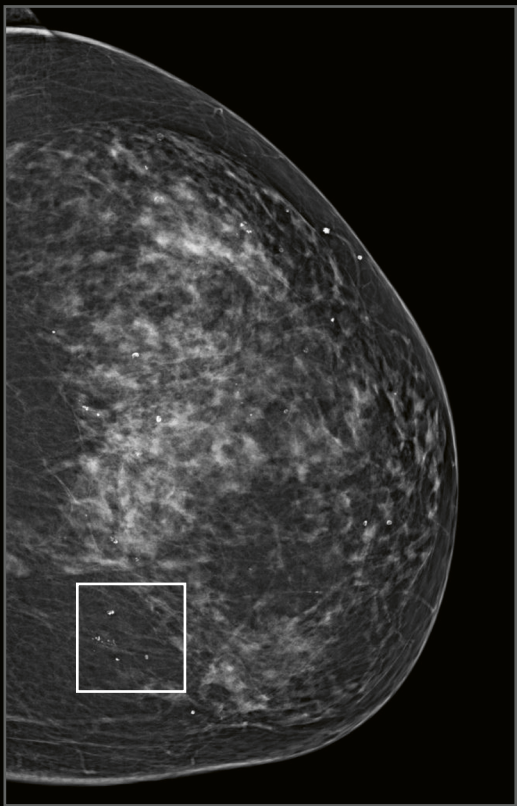
FFDM



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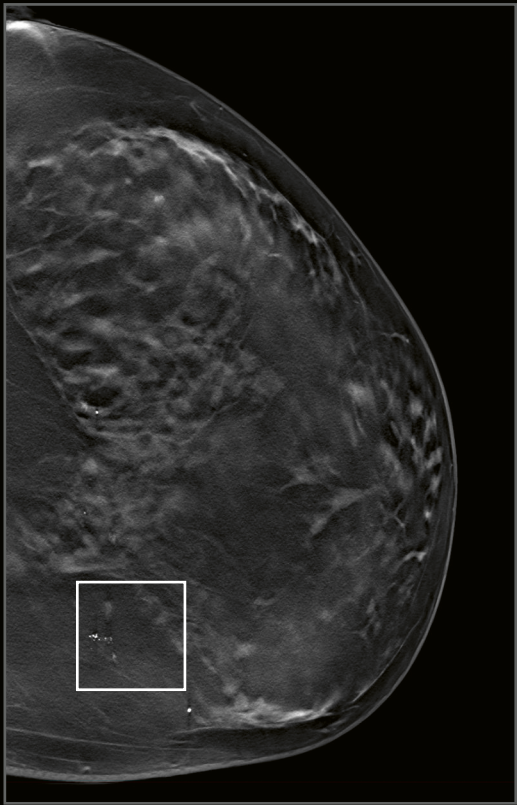
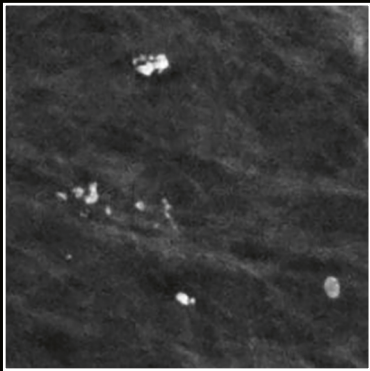


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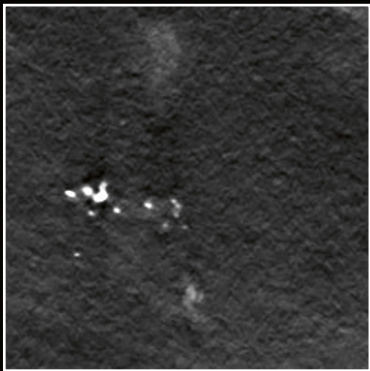
FFDM

Study ID: 1aac770



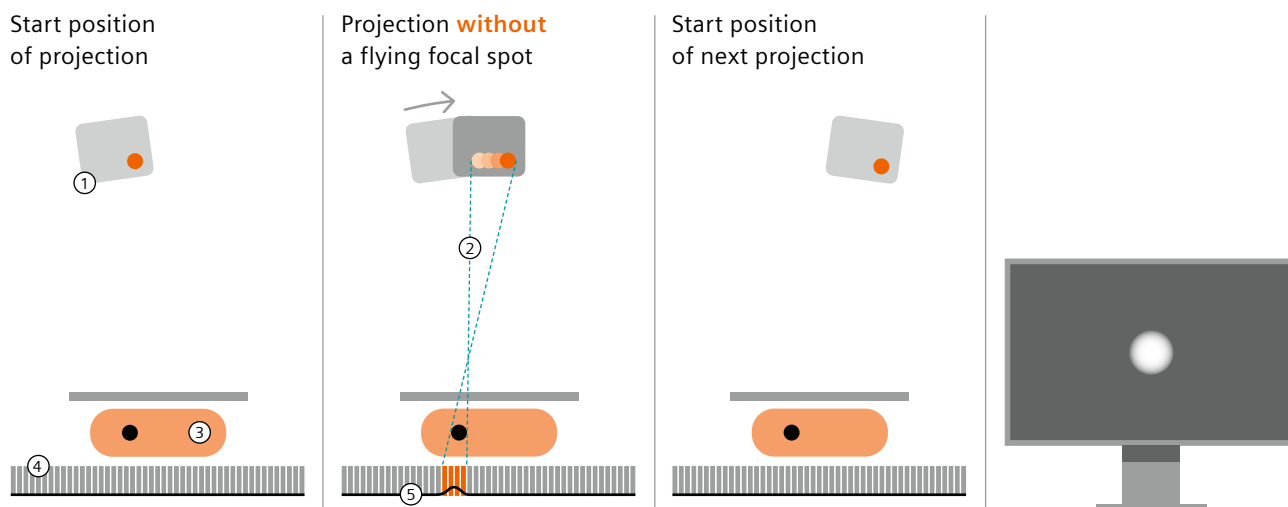
DBT

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Our aim with the flying focal spot tube:

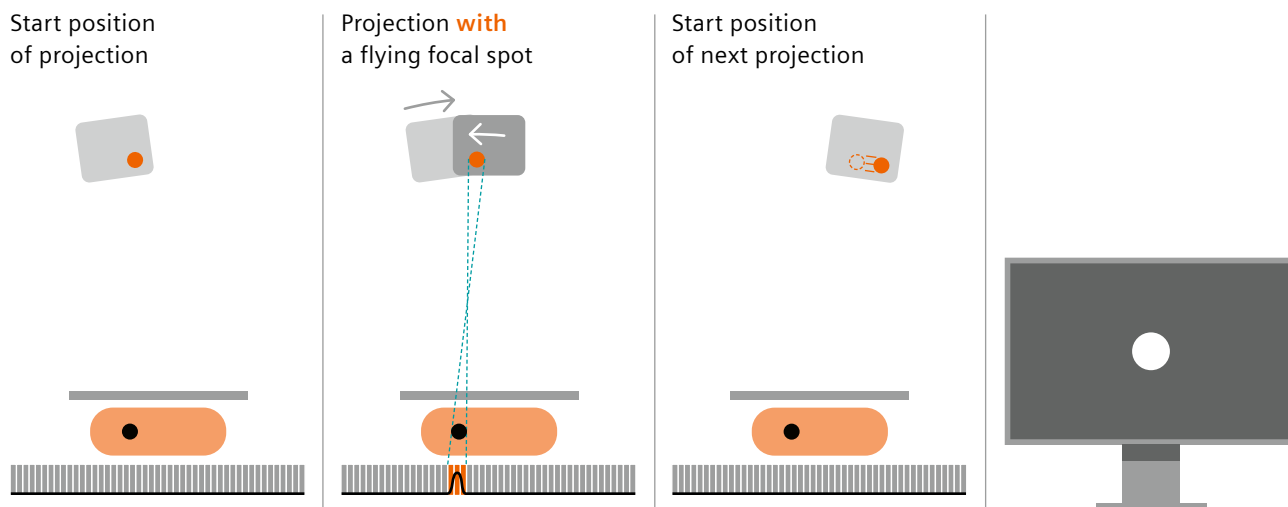
The best in-depth resolution without compromise



In a standard x-ray tube used for tomosynthesis, the tube and its focal spot move together continuously.

For 25 projections, both the tube and the focal spot move during the X-ray pulse.

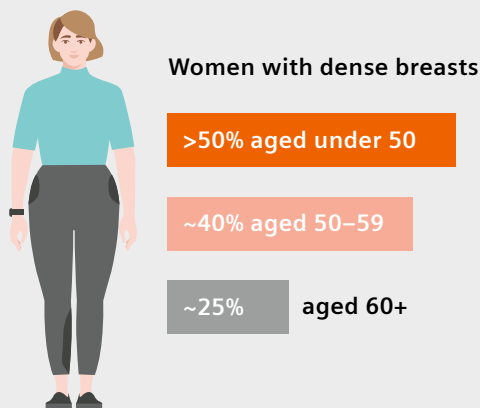
The result is a larger area of pixels and images with blurry edges.



Flying focal spot technology compensates tube movement during each X-ray pulse by deflecting the focal spot in the opposite direction. The focal spot is effectively static during the X-ray pulse. This generates images that have not only the highest depth resolution⁴, but excellent in-plane resolution as well.

Improved sharpness

The challenge of cancer detection in dense breasts



More than 40% of women under 60 have dense breasts.^{13,14}

Standard mammography screening may fail to detect lesions in areas of high breast tissue density, which can vary over a woman's own lifetime. Although density may reduce after menopause, many women continue to have dense breasts.

Research shows that supplemental screening with CEM achieves a significantly higher cancer detection rate than FFDM and ultrasound in women with dense breasts, and a similar rate to CE-MRI.¹⁵

ClearCEM

A new era in contrast-enhanced image quality

MAMMOMAT B.brilliant now comes with ClearCEM, which delivers outstanding image quality in contrast-enhanced mammography, setting a new benchmark for diagnostic confidence.¹⁶

ClearCEM helps to detect lesions more easily¹⁷

In challenging cases, ClearCEM can provide crystal-clear enhancement and consistency for exceptional lesion conspicuity.¹⁶ Powered by advanced algorithms, it generates a more uniform background where lesions stand out with unrivaled brilliance.¹⁶

Indications for CEM

In keeping with the growth of personalized diagnostics, the use of CEM is increasing in clinical practice.²⁴

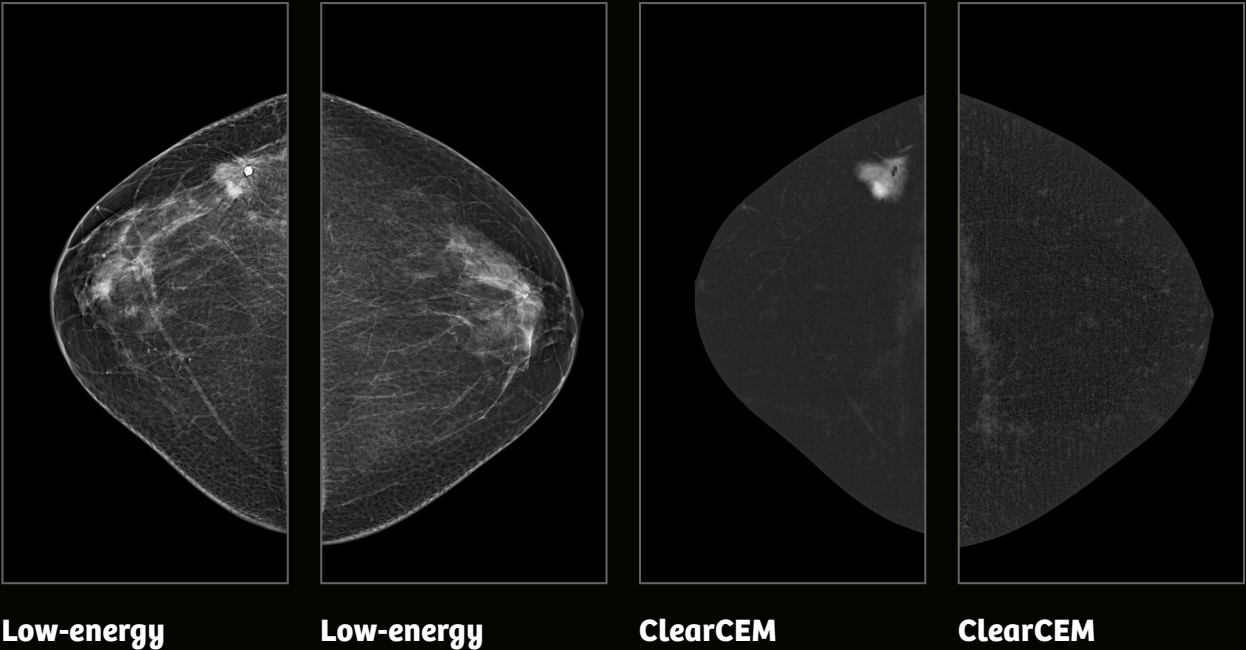
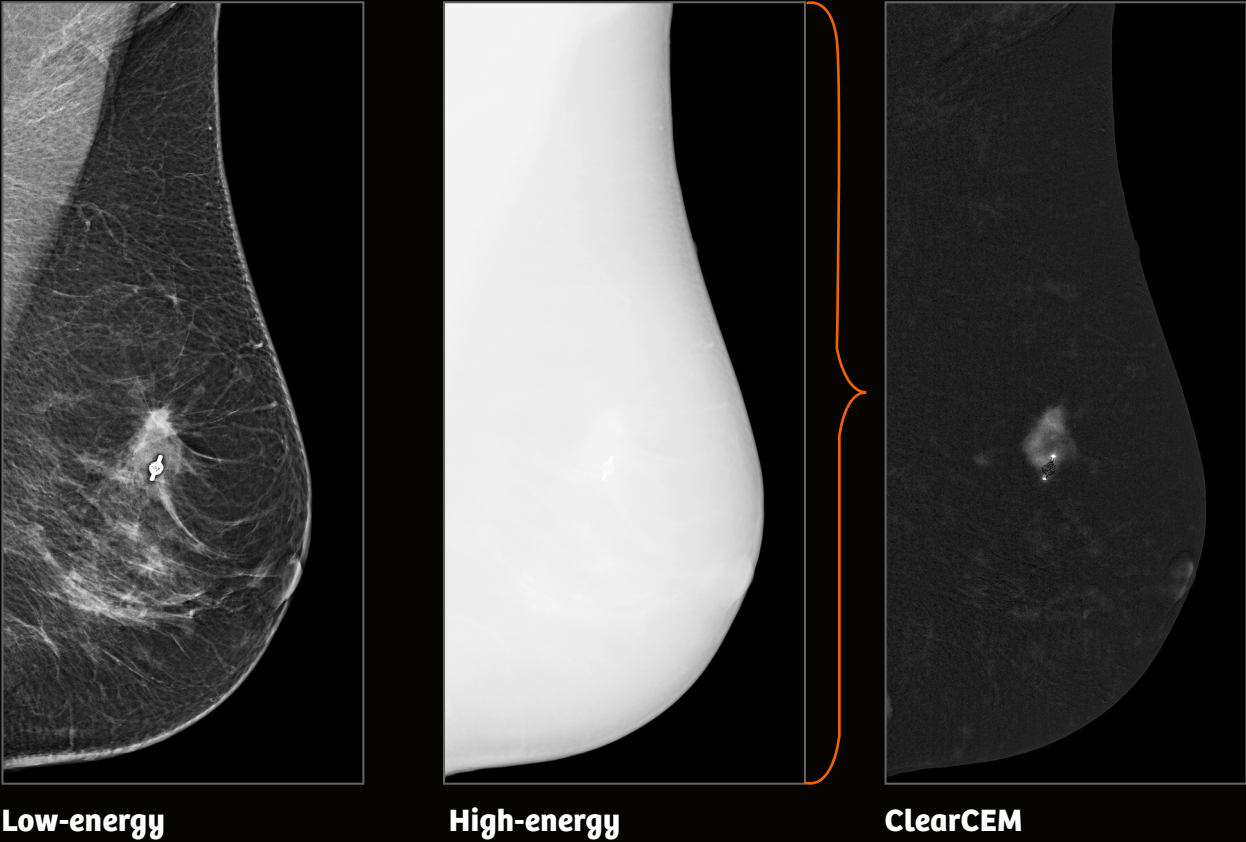
Indications include:¹⁸

- Problem-solving after inconclusive findings on other modalities
- Evaluation of symptomatic patients
- Preoperative assessment of disease extent (multifocality and multicentricity)
- Neoadjuvant therapy response monitoring
- Post-treatment evaluation for residual or recurrent disease
- Screening women at intermediate or high risk

A compelling alternative to MRI

The benchmark image quality of our ClearCEM can offer significant advantages compared to other techniques.¹⁹ It can make MAMMOMAT B.brilliant a compelling diagnostic alternative when contraindications or other constraints, such as availability or cost, rule out MRI.

Dual-energy mammography provides a recombined image

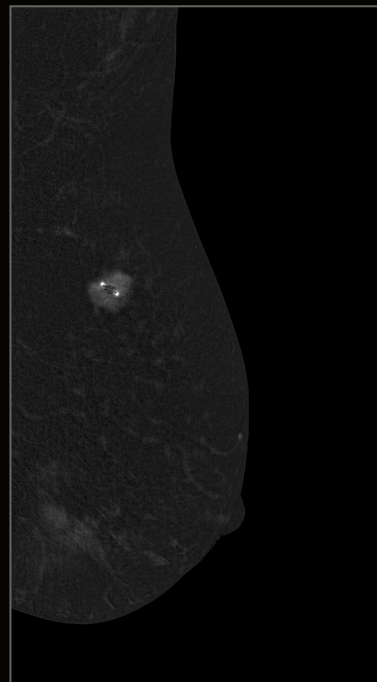


Invasive ductal carcinoma

Breast density C,
BI-RADS 6
Age 54



Low-energy

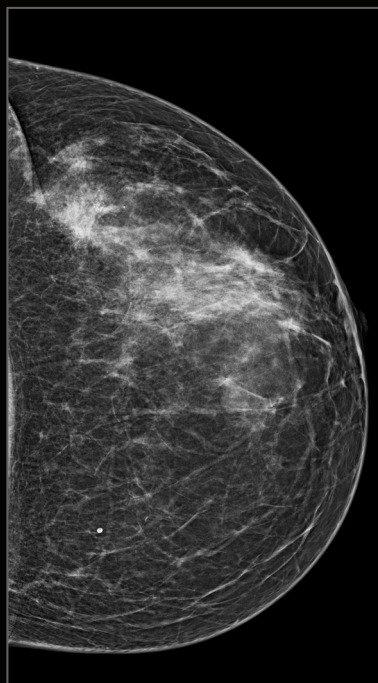


ClearCEM

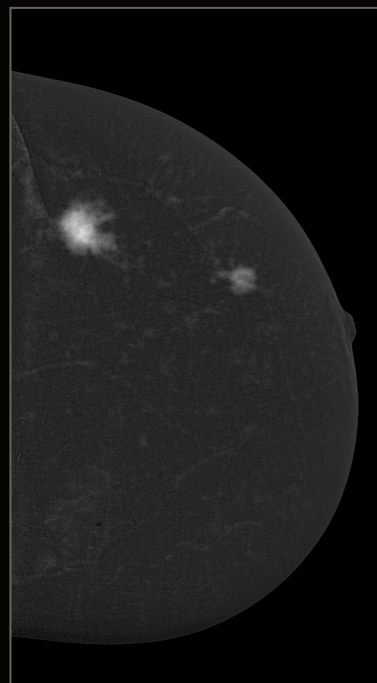
Study ID: 1aad847

Multi-centric invasive ductal carcinoma

Breast density B
BI-RADS 4
Age: 46



Low-energy



ClearCEM

Study ID: 1aad204

ClearCEM

Optimized convenience and cost

Optimize your workflows with a CEM solution that is built for all patients, regardless of breast density and MRI contraindications.

Comprehensive diagnostics for an optimum patient experience

ClearCEM helps you provide your patients with advanced, personalized diagnostics all in one room – and can save cost, time, and capacity by reducing the need for MRI. By resolving inconclusive findings without switching modality, you can reduce patient anxiety, shorten time-to-diagnosis, and retain the reassurance and comfort of familiar procedures and personnel.

Cost-effective technology for a future-proof practice

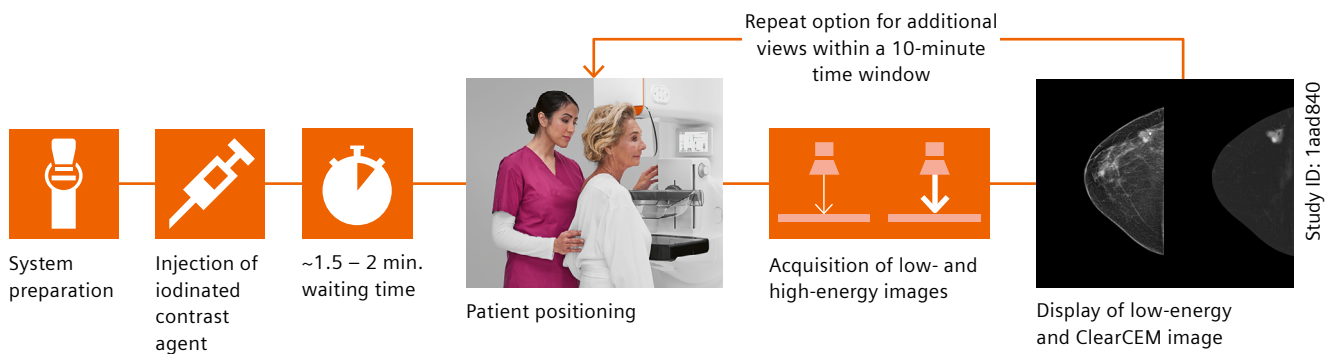
ClearCEM makes use of a system concept that helps reduce tube overheating preventing unnecessary delays for both patients and technologists at optimized image quality-dose-ratio, cutting time-to-diagnosis, and increasing patient throughput. Together with the high availability of our single, on-site solution, this helps you optimize the potential of your practice for years to come.



MAMMOMAT B.brilliant set-up for ClearCEM

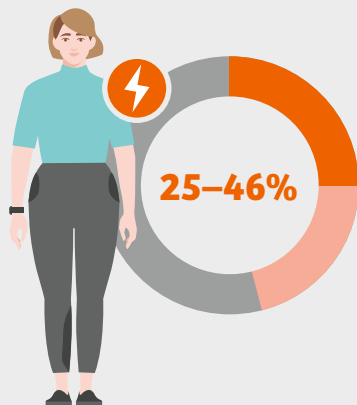
Quick and convenient ClearCEM workflow

Benefit from a straightforward routine with minimized interruptions.

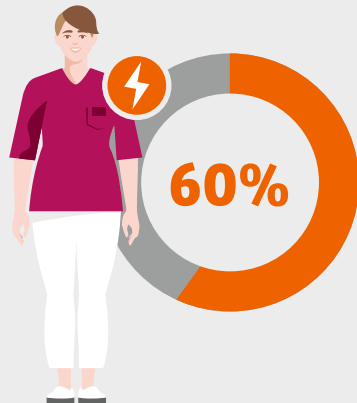


Simplified workflow illustration. Workflows may vary in different countries and clinics.

Challenging exams for patients and radiographers alike



A study showed that **25–46%** of women **did not attend their next screening appointment due to pain** related to breast compression.²³



Meanwhile, **60%** of female X-ray technologists suffer from **physical strain**.²⁰

Whether it's due to non-standardized workflows, difficulties in accommodating individual patient needs, or insufficient system guidance on the next examination steps, mammography exams may lead to physical strain for the radiographer and cause unnecessary discomfort for the patient.

A new level of patient-centricity

MAMMOMAT B.brilliant offers smart, fast, and intuitive workflows for better radiographer ergonomics. The system allows users to adapt their personal preferences to individual patient conditions and exams. Thanks to limited compression time² and direct access to supplemental diagnostic techniques like CEM and biopsy, MAMMOMAT B.brilliant enables more focus on patients and may reduce women's anxiety during diagnostic processes.

Excellent user ergonomics and impressive workflow guidance

Make examination processes more transparent

Receive patient and workflow information on a screen always in sight thanks to ComfortGuide Display. This means there is no need to go back to the acquisition workstation. Instead, have all patient information at hand, workflows displayed where you need them, and information on the current and upcoming workflow steps all directly at the MAMMOMAT B.brilliant.

Independent movement, easy patient access

ComfortMove is the ergonomic feature that aims to significantly reduce physical strain of radiographers caused by mammography examinations through independent movement of the tube unit from the table. Now you can easily and safely access your patient during the MLO positioning process – without having to bend under the swivel arm. An additional work light and positioning laser further help support in accurately positioning the breast of your patient. As a result, ComfortMove aims to make patient positioning easier and safer, providing more freedom of movement for both radiographers and patients. Plus there is the added benefit that radiographers may avoid back pain.

A system designed with women's comfort as a priority

Increase comfort, save time

Thanks to an automated movement of the tube unit, ComfortMove allows you and your patient more freedom and ergonomic positioning. By automatically positioning



More freedom of movement for technologist and patient alike – thanks to ComfortMove.

itself to 15° while the table is in a 45° position* – or whatever angle you prefer – the tube unit does not stand between you and the patient. With ComfortMove, you will be able to serve individual patient needs, increasing patient satisfaction without compromising image quality.

Create more stability and comfort for patients

MAMMAT B.brilliant combines two features for increased stability and patient comfort: the detachable, transparent face shield and short scan times. Our face shield lets your patients rest their head comfortably during scans and serves as a helpful tool for positioning.

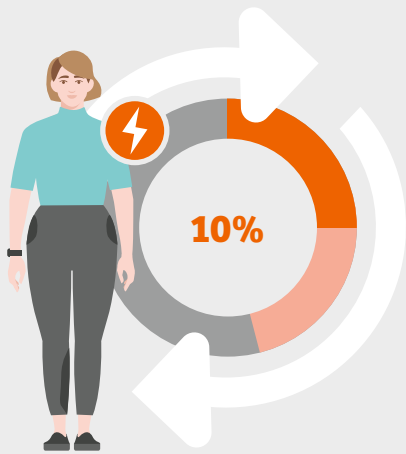


And with scans taking no more than 5 seconds,⁸ patients get scanned extremely quickly.² These features support patient safety during tomosynthesis and get you optimal images from the secure patient positioning, which in turn increases workflow speed.

More features to increase patient comfort and satisfaction

- **OpComp** – automatic, optimized, and personalized breast compression for increased patient comfort and image quality.
- **PRIME** – intelligent software algorithm offering up to 20% dose reduction without compromising on image quality.²
- **SoftComp Paddles** – breast-optimized, rounded edges provide higher patient comfort and more convenience for the radiographer.
- **Patient hand rest** – easy positioning of the patient can help reduce the risk of applying too much tension to the pectoralis muscle.
- **MoodLight** – creates a welcoming room design and a soothing atmosphere for your patients.

Delays and interruptions in diagnostic processes



In the U.S., about **10% of women are called back** after a mammogram for more tests,²² such as:

- Follow-up FFDM or tomosynthesis
- Breast ultrasound
- Breast biopsy
- Contrast-enhanced mammography
- Breast MRI

Only a biopsy can provide the patient with a precise diagnosis, distinguishing between benign and malignant breast changes.

Inefficient biopsy workflows and sampling errors can put additional stress on patients by leading to patient recalls, longer wait times, or deferred therapy decisions.

Diagnostic clarification

A full spectrum of biopsy solutions

As a system that complements established biopsy techniques such as stereotactic biopsy with advanced innovations like ClearCEM and 50° Wide-Angle Tomosynthesis-guided biopsy, MAMMOMAT B.brilliant enables fast, accurate, and easy diagnostic clarification in mammography – and supports quick therapy decisions for your patients.

50° Wide-Angle PlatinumTomo Biopsy

Precision targeting

With the highest depth resolution in mammography, image acquisition with PlatinumTomo supports precise, one-click targeting with an accuracy of ± 1 mm – and helps you feel confident in your diagnosis.⁴

Faster biopsy procedures

A quick impression of the first image, the navigator for visual feedback on the needle position, then pre- and postfire tomosynthesis* images. The goal? Biopsy procedures that are faster and more convenient.

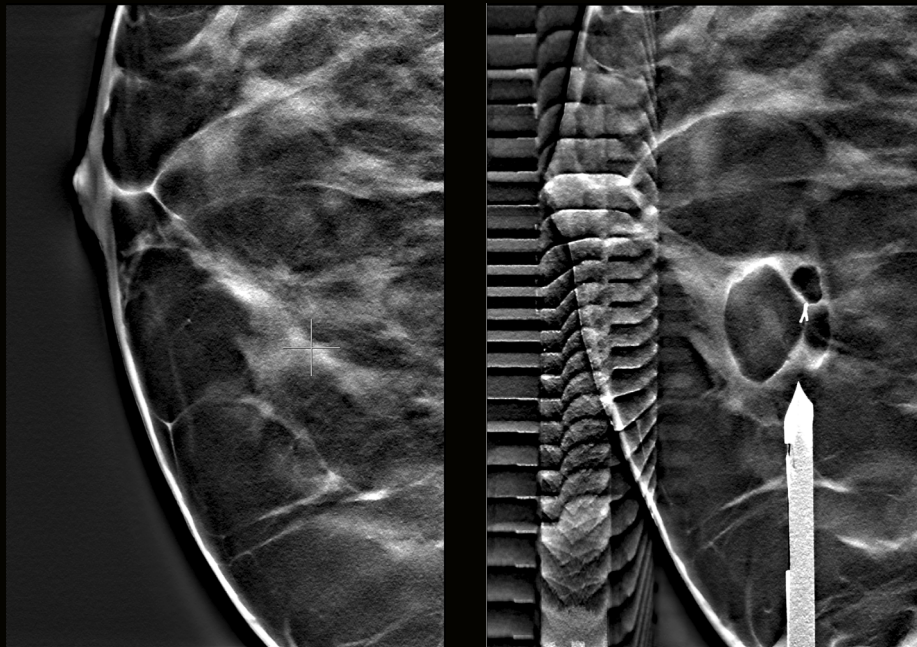
Instant visual feedback

The needle navigator is your visual guide, enabling safe, precise, and more confident breast biopsy procedures. It offers instant feedback on the needle and target position, which helps you to confidently navigate within the breast and avoid unnecessary readjustments and movements.

Enhanced patient focus

InSpect is our integrated specimen scan that takes less than 20 seconds, so you can stay with your patient and check the specimen immediately in the exam room. With no need to reposition the patient or switch to another system, the savings are threefold: time, patient inconvenience, and unnecessary investment in an additional scan device.

Accurate biopsy targeting thanks to image acquisition with PlatinumTomo



Study ID: 1aad774

Unique ClearCEM Biopsy – A new standard in CEM-powered biopsy

Accuracy, precision, and efficient workflow

ClearCEM Biopsy is our unique CEM biopsy solution. Its embase is ClearCEM as a scout that delivers powerful and cost-effective functional imaging to help detect or rule out lesions in the most challenging cases – when standard mammography may not suffice. ClearCEM Biopsy combines outstanding image quality with accuracy, precision, and workflow efficiency in biopsies supported by PlatinumTomo – all in the same exam.

Diagnostic advantages

ClearCEM Biopsy provides you with comprehensive information to boost your confidence and to ease biopsy procedures – by harnessing the unparalleled depth resolution of wide-angle tomosynthesis. In addition, shorter biopsy lead times and quicker biopsy procedures compared to standard MRI-guided biopsies reduce the time required for a definitive diagnosis without switching modalities*. By leveraging your existing mammography equipment, this can broaden your clinical capabilities.

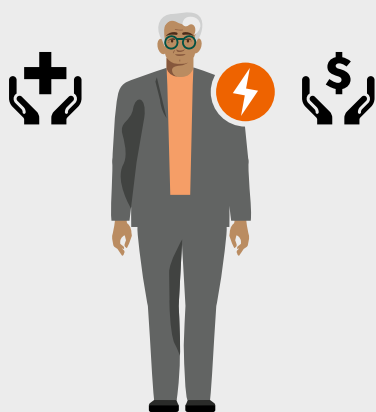


One biopsy, two powerful imaging techniques.
MAMMOMAT B.brilliant combines contrast enhancement and wide-angle accuracy of PlatinumTomo.

Mammography systems are significant investments



Healthcare spendings are continuously rising. Healthcare budgets, however, are not.



This creates a very **challenging situation for healthcare providers.**

In screening settings, high-patient throughput is key and system downtime can create serious challenges. Institutions need to maintain a high throughput while relying on system uptime, serviceability, and support services.

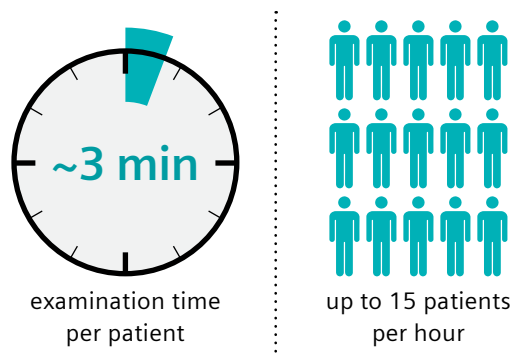
A system that pays off

MAMMOMAT B.brilliant has been designed to provide high patient throughput in screening and diagnostic settings. In addition, it comes with a service experience that goes above and beyond pure maintenance. From instant remote assistance 24/7 (in every time zone) to top-tier training and training services as well as dedicated service solutions – you will benefit from a system that is optimized for your financial success.

Performance optimization for high patient throughput in screening

Scan more patients per day without compromising quality

PlatinumTomo is redefining 50° Wide-Angle Tomosynthesis. Perform the fastest wide-angle tomosynthesis in the market in no more than 5 seconds,² while gaining access to even more diagnostic information as compared to FFDM or narrow angle systems. Designed for efficient patient positioning, ComfortMove and its integration with PlatinumTomo can increase patient throughput, while still getting high quality scan results for easier diagnosis.



Optimize contrast-enhanced imaging workflows

ClearCEM is a single, on-site solution designed for high throughput and high availability to all patients, regardless of breast density and MRI contraindications. This can help you optimize efficiency and the long-term potential of your practice.



Benefit from committed experts delivering onsite and remote support to your MAMMOMAT B.brilliant.

Service offerings for smooth daily operations

Today, the service experience goes above and beyond pure maintenance. Service can make the difference to your daily operations and help you evolve. With our services, we are by your side whenever you need us. Siemens Healthineers specialists are available for instant remote assistance 24/7 in every time zone. With our presence in more than 150 countries around the globe, we're always close to our customers.

- **Hardware maintenance**

Optimize equipment performance and uptime at defined costs with the service contracts Performance Plans.

- **Software updates**

Perform to your full potential today and be ready for what's coming next with the Evolve Program.

- **Staff training**

We care for your knowledge and develop your skills along your MAMMOMAT's lifecycle.

Customized business and financial models

Flexible investment to match your needs

Legal guidelines for breast imaging can change rapidly. To protect your investment, MAMMOMAT B.brilliant offers a modular and future-ready system design that evolves with your requirements. For greater investment security, it integrates the latest technologies in one device – and allows you to start with a lower initial investment and upgrade as your needs grow.

Optimizing clinical workflows and processes

Enjoy access to innovative medical technology and equipment throughout the entire contract lifetime, so you can optimize your asset management and planning – and focus on patient care. In addition, our customized business and financial models can help you maintain your competitive edge and stay on top of your budgetary and enterprise needs.

Breast Imaging World

Shaping the future of breast imaging online education

Step into the future of mammography education: unleash your expertise with our comprehensive clinical learning and event platform! Discover cutting-edge insights, master the latest techniques, and elevate your mammography skills to a new level – together with a vibrant community of medical professionals and enthusiasts in the world of mammography.

Stay ahead

As a registered member, you'll gain priority access to upcoming online events, workshops, and training sessions led by renowned breast imaging experts.

Knowledge at your fingertips

Our comprehensive materials provide you with in-depth insights, research findings, and best practices.

Learn at your own pace

Engage in online learning modules and case studies that offer an in-depth understanding of breast imaging procedures and technologies.



Join now!



At Siemens Healthineers, we pioneer breakthroughs in healthcare. For everyone. Everywhere. Sustainably. As a leader in medical technology, we want to advance a world in which breakthroughs in healthcare create new possibilities with a minimal impact on our planet. By consistently bringing innovations to the market, we enable healthcare professionals to innovate personalized care, achieve operational excellence, and transform the system of care.

Our portfolio, spanning in vitro and in vivo diagnostics to image-guided therapy and cancer care, is crucial for clinical decision-making and treatment pathways. With the unique combination of our strengths in patient twinning*, precision therapy, as well as digital, data, and artificial intelligence (AI), we are well positioned to take on the greatest challenges in healthcare. We will continue to build on these strengths to help overcome the world's most threatening diseases, enable efficient operations, and expand access to care.

We are a team of more than 73,000 Healthineers in over 70 countries passionately pushing the boundaries of what is possible in healthcare to help improve the lives of people around the world.

*Personalization of diagnosis, therapy selection and monitoring, aftercare, and managing health.

Breast Health 360°

Providing the highest degree of care. Because we care.

Seeing the whole picture also means seeing your entire journey as you deliver the best possible care to your patients. Siemens Healthineers is at your side with a holistic, personalized portfolio of solutions that we call our 360° approach: We have got you covered in every step of the Breast Health Journey from discovery to recovery. From obtaining a patient's medical history to screening and diagnosis, treatment, and follow-up – we provide accurate, human-centric, and economical solutions to empower your decisions. Thanks to our business segment Varian, we are expanding the potential of cancer treatment even further.

**Profit from expert knowledge across all imaging modalities with a global player:
Siemens Healthineers**



Patient history

From the very beginning, it is important to make sure that all information about a patient's history is accessible to every doctor and nurse involved in the treatment.



Follow-up

A diverse assortment of state-of-the-art technologies and procedures provides doctors with excellent tools for comprehensive and comfortable support during aftercare.



Treatment

Clinicians can choose from a variety of highly effective treatments and personalize each patient's treatment plan to meet their individual needs.



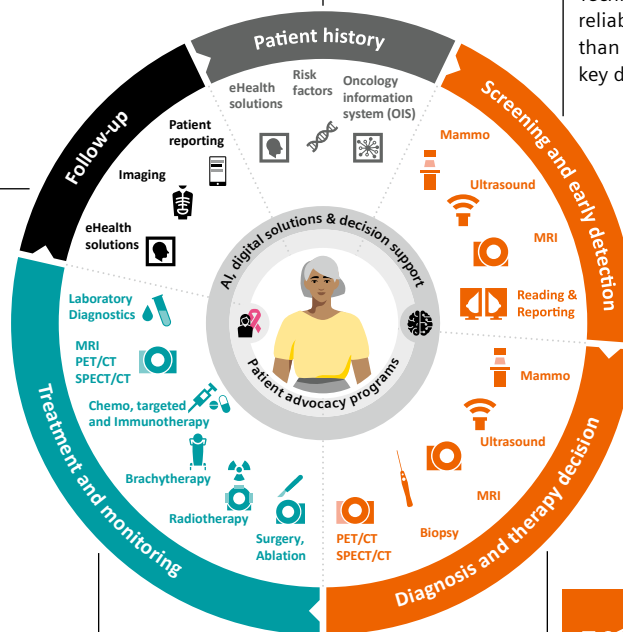
Screening

Every case is unique, and every patient needs to be treated as an individual. Technological innovations make screenings reliable, precise, and more comfortable than ever before, helping doctors make key decisions faster.



Diagnosis

Doctors rely on a wide range of cutting-edge procedures and scans to get to the bottom of what's going on as quickly as possible. The more information we have, the better equipped we are to find a solution.



MAMMOMAT B.brilliant

Exclude the maybes.

A new benchmark in image quality

PlatinumTomo

The new benchmark for tomosynthesis image acquisition thanks to breakthrough technologies.

- **50° Wide-Angle Tomosynthesis**
Leverage the highest depth resolution on the market³
- **Unique flying focal spot technology²**
- **Cutting-edge detector**
Faster read-out time for higher image acquisition speed^{2,3}
- **PREMIA image reconstruction**
Improve visibility of pathologies and benefit from fast reconstruction²

Insight 2D

The new standard for synthetic mammograms

Insight 3D

The only rotating 3D mammogram

1-view tomosynthesis

Always try for the lowest dose possible

Image impressions in tomosynthesis, Insight 2D, and FFDM

Work according to your preferences

Insight BD

Automatic and objective breast density assessment



A new era in contrast-enhanced image quality

ClearCEM

Our unique solution delivers outstanding image quality in contrast-enhanced mammography, setting a new benchmark for accuracy and diagnostic confidence.¹⁶

- **Unrivalled image quality¹⁶**
ClearCEM helps make more lesions easy to detect – with high diagnostic confidence¹⁶
- **Advanced, personalized diagnostics¹⁶**
Designed for all patients, regardless of breast density and MRI contraindications
- **Enhanced patient experience**
Avoid switching modalities to help reduce anxiety and shorten time-to-diagnosis
- **Workflow and cost efficiency**
High reliability combined with performance optimization help increase throughput

A new level of patient-centricity

ComfortGuide Display

Make examination processes more transparent

ComfortMove

Independent tube, easy patient access, increased patient comfort, and time savings

Optimized face shield and a short scan time

Create more stability and comfort for patients

A full spectrum of biopsy solutions

PlatinumTomo Biopsy

Pinpoint precision for biopsies thanks to 50° Wide-Angle Tomosynthesis

Pre- and postfire tomosynthesis images

Rely on information throughout the entire biopsy workflow

Needle Navigator

Perform biopsies with confidence

InSpect – Integrated specimen scanner

More time to focus on your patient during biopsy

Unique ClearCEM Biopsy – A new standard in CEM-powered biopsy

A powerful and cost-effective alternative to MRI

A system that pays off

Performance optimization

High patient throughput in screening with shorter image acquisition time

Unique service offerings

Smooth daily operation thanks to hardware maintenance, software updates, and staff training

Customized business and financial models

Evolve your system over time and futureproof your investment



MAMMOMAT B.brilliant is not commercially available in all countries. Due to regulatory reasons its future availability cannot be guaranteed. Please contact your local Siemens Healthineers organization for further details.

On account of certain regional limitations of sales rights and service availability, we cannot guarantee that all products/services/features included in this brochure are available through the Siemens Healthineers sales organization worldwide. Availability and packaging may vary by country and are subject to change without prior notice.

The information in this document contains general descriptions of the technical options available and may not always apply in individual cases. Siemens Healthineers reserves the right to modify the design and specifications contained herein without prior notice. Please contact your local Siemens Healthineers sales representative for the most

current information. In the interest of complying with legal requirements concerning the environmental compatibility of our products (protection of natural resources and waste conservation), we may recycle certain components where legally permissible. For recycled components we use the same extensive quality assurance measures as for factory-new components.

Any technical data contained in this document may vary within defined tolerances. Original images always lose a certain amount of detail when reproduced.

The statements by Siemens Healthineers' customers described herein are based on results that were achieved in the customer's unique setting. Since there is no "typical" hospital and many variables exist (e.g., hospital size, case mix, level of IT adoption) there can be no guarantee that other customers will achieve the same results.

¹ Ekpo EU, Alakhra M, Brennan P. Errors in Mammography Cannot be Solved Through Technology Alone. *Asian Pac J Cancer Prev*. 2018; 19(2): 291–301.

² Data on file.

³ In comparison with MAMMOMAT Revelation.

⁴ Maldera A, De Marco P, Colombo PE, Orrigi D, Torresin A. Digital breast tomosynthesis: Dose and image quality assessment. *Phys Med*. 2017;33:56-67.

⁵ Compared to FFDM; Zackrisson S, et al. One-view breast tomosynthesis versus two-view mammography in the Malmö Breast Tomosynthesis Screening Trial (MBTST): A prospective, population-based, diagnostic accuracy study. *Eur Radiol*. 2018; 28(2): 579-87.

⁶ American Cancer Society (2022): Limitations of Mammograms. <https://www.cancer.org/cancer/types/breast-cancer/screening-tests-and-early-detection/mammograms/limitations-of-mammograms.html>

⁷ Data on file; for average breast size of 50/50 glandular/adipose tissue and 5 cm thickness.

⁸ Scaduto DA, et al. Impact of angular range of digital breast tomosynthesis on mass detection in dense breasts. *Eur Radiol*. 2018; 28(10):4098-105; compared to FFDM; PMA P140011/S001 & P140011/S003; Georgian-Smith D, et al. Can Digital Breast Tomosynthesis Replace Full-Field Digital Mammography? A Multireader, Multicase Study of Wide-Angle Tomosynthesis. *AJR Am J Roentgenol*. 2019;213(5):1146–53. Responses from more than 400 radiologists. Survey conducted at RSNA 2014, ECR 2015, and Advisory Board 2015.

⁹ Responses from more than 400 radiologists. Survey conducted at RSNA 2014, ECR 2015, and Advisory Board 2015.

¹⁰ Tani H, et al. Assessing Radiologist Performance and Microcalcifications Visualization Using Combined 3D Rotating Mammogram (RM) and Digital Breast Tomosynthesis (DBT). *Breast Care (Basel)*. 2014; 9(2): 118–23.

¹¹ International Agency for Research on Cancer, World Health Organization (2020).

¹² Huang H, et al. Comparison of lesion detection and conspicuity between narrow-angle and wide-angle digital breast tomosynthesis for dense and non-dense breasts. *J Med Imaging*. 2023;10(2):S22407.

¹³ Kerlikowske K, Ichikawa L, Miglioretti DL, et al. Longitudinal measurement of clinical mammographic breast density to improve estimation of breast cancer risk. *J Natl Cancer Inst* 2007;99:386-395.

¹⁴ Sprague BL, Gangnon RE, Burt V, et al. Prevalence of mammographically dense breasts in the United States. *J Natl Cancer Inst* 2014; 106(10):dju255.

¹⁵ Gilbert FJ, Payne NR, Allajbeu I, Yit L, Vinnicombe S, Lyburn I et al. Comparison of supplemental breast cancer imaging techniques – interim results from the BRAID randomised controlled trial. *Lancet*. 2025;405(10493):1935-1944.

¹⁶ Compared to VA10, MAMMOMAT B.brilliant.

¹⁷ Compared to FFDM.

¹⁸ Sogani J, et al. (2021): Contrast-enhanced mammography: Past, present, and future.

¹⁹ Moffa G, et al. Diagnostic Performance of Contrast-Enhanced Digital Mammography versus Conventional Imaging in Women with Dense Breasts. *Diagnostics (Basel)*. 2023 Jul 28;13(15):2520. doi: 10.3390/diagnostics13152520. PMID: 37568883; PMCID: PMC10416841.

²⁰ Yee KM. Repetitive strain injury common among breast imagers. AuntMinnie. 2014 Sep 26 [cited 2023 May 5]. Available from: <https://www.auntminnie.com/index.aspx?sec=ser&sub=def&pag=dls&ItemID=108640>.

²¹ Compared to grid-based acquisition with MAMMOMAT Inspiration, depending on breast thickness.

²² Breast Cancer Screening (PDQ®) - NCI: <https://www.cancer.gov/types/breast/hp/breast-screening-pdq>

²³ Moshina N, et al. (2019): Breast compression and experienced pain during mammography by use of three different compression paddles.

²⁴ Schiaffino, S., Cozzi, A., Clauser, P. et al. Current use and future perspectives of contrast-enhanced mammography (CEM): A survey by the European Society of Breast Imaging (EUSOBI). *Eur Radiol* 34, 5439–5450 (2024). <https://www.who.int/data/gho/data/indicators/indicator-details/GHO/total-density-per-million-population-magnetic-resonance-imaging>

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