

SIEMENS



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MAGNETOM Espree – Pink

Excellence in MR Breast Care

Answers for life.

Excellence in MR Breast Care. MAGNETOM Espree – Pink

Integrate MR breast exams into your routine workflow. Streamline your breast examinations and diagnoses quickly. Increase your diagnostic confidence. This is the new world of breast care – with MAGNETOM® Espree – Pink, the dedicated solution for breast MRI.

Clinical studies suggest that MRI may be helpful in breast care, particularly in imaging high-risk women. Yet, you may be concerned about the ability to integrate breast MRI into your workflow, and how this will impact your patients' breast care experience. Siemens has the answer: MAGNETOM Espree – Pink offers unmatched patient comfort, unique applications, and an innovative workflow that will push your clinical capabilities to the next level.

MAGNETOM Espree – Pink combines an open-bore design with the Sentinelle breast coil for Siemens which offers exceptional breast imaging and biopsy capabilities. And, the future is built in: Should your requirements change over time, you can easily upgrade the system to a MAGNETOM Espree whole-body scanner – with all its advanced applications and renowned technology. Powered by Tim® (Total imaging matrix) coil technology.

Pink Comfort

Unparalleled 70 cm open-bore for increased patient comfort and easy patient access.

Pink Workflow

Excellent coil technology paired with a dedicated workplace for efficient breast exams and reading.

Pink Applications

A wide range of applications dedicated to improve diagnostic confidence.

Pink Comfort

Patient comfort can greatly reduce artifacts due to patient movement, resulting in better image quality. MAGNETOM Espree – Pink’s open-bore design offers an exclusive 70 cm inner diameter, providing exceptional comfort. It enables patients to feel more at ease, particularly claustrophobic or obese patients.

The system enables feet-first and head-first positioning, whichever is more appropriate for your patient. Yet, you can still obtain the exceptional imaging you need.

The design of the Sentinelle breast coil is perfect for MAGNETOM Espree – Pink, offering you excellent access to perform biopsies.

Patients can be examined in feet-first position as well as in head-first position.

The patient-friendly support of the Sentinelle breast coil features best ergonomics to comfortably position patients of all sizes.



Pink Workflow

An integral part of MAGNETOM Espree – Pink is the Sentinelle coil, designed exclusively for Siemens. This coil technology combined with the system’s dedicated MultiModality Workplace creates a powerful solution that offers exceptional speed and versatility – providing you with the right information at the right time.

Sentinelle Breast Coil

The renowned technology of the 2/4/8-channel Sentinelle breast coil provides excellent image quality and optimal access for biopsy. The Sentinelle coil enables improved interventional accuracy and shorter exam times through an optimized workflow, which puts you one step closer to improving cost efficiency.

The Sentinelle coil is designed with variable coil geometry (VCG) that allows to accommodate a wide range of patient sizes and increases patient comfort. Additionally it provides high signal-to-noise ratio, and delivers excellent image quality.

MultiModality Workplace with syngo BreVis

The dedicated MultiModality Workplace offers standard MR evaluation. To enhance breast reading and reporting, it is coupled with *syngo* BreVis, a computer-aided tool for real-time breast analysis. It is easy-to-use, fast, and reliable. Quick pre-processing, which includes elastic motion correction in case of patient movement, enables efficient breast reading and reporting.

At only 125 cm, MAGNETOM Espree – Pink is the shortest system on the market, offering high flexibility and increased patient comfort.

An open-bore design with an inner diameter of 70 cm: even claustrophobic or obese patients (up to 250 kg/ 550 lbs) feel comfortable in MAGNETOM Espree – Pink.

Pink Applications

Faster imaging, excellent clinical detail, shorter exams – these are all part of the dedicated solution for breast care. With its optimized applications, MAGNETOM Espree – Pink enables you to see more, by improving accuracy and showing more details. These applications enable truly comprehensive breast care, helping to improve diagnostic confidence as well as patient care.

Applications for Routine Breast Imaging – *syngo* Breast Suite

syngo VIEWS – Volume Imaging with Enhanced Water Signal

Isotropic 3D imaging is essential when it comes to high-quality multiplanar image reconstruction in any orientation. *syngo*® VIEWS provides isotropic imaging protocols with high temporal and high spatial resolution as well as excellent fat suppression. You can acquire images bilaterally or unilaterally with excellent coverage of the axillae and retrosternal regions.

syngo REVEAL – Diffusion Weighted Imaging

To ensure the best possible patient care, staging the disease extent is crucial. *syngo* REVEAL is a Siemens MR diffusion technique which can improve specificity. By acquiring ADC maps it allows you to visualize potentially malignant lesions as well as metastatic infiltrations of lymph nodes and residual or recurrent tumors. Although it adds just a few minutes to your examination, *syngo* REVEAL with iPAT acceleration can improve diagnostic confidence and influence therapy planning.

syngo BLADE – Correction of Motion Artifacts

High-quality images in breast MRI – even in the case of severe patient movement. *syngo* BLADE offers a unique way to compensate for motion in non-dynamic data acquisition: By acquiring radial blades, it measures and corrects motion artifacts, providing clear, high-resolution images. *syngo* BLADE works in all contrasts and is iPAT-compatible, which shortens exam time and leads to reduced motion artifacts. Avoid repeat exams due to anxious patients and motion artifacts and improve your workflow and patient throughput.

syngo BreVis Biopsy – Biopsy Path Planning

A fast and accurate MR biopsy workflow is essential. This is enabled by *syngo* BreVis Biopsy, a professional solution with automatic calculation of target coordinates. The easy-to-handle workflow enables shorter examination times for both patient and operator. The user interface offers a guide for MR breast interventional planning. *syngo* BreVis Biopsy enables path planning directly at the scanner – no sending of data over the network is required.

syngo GRACE* – Generalized Breast Spectroscopy Exam

High levels of choline are often found in malignant breast lesions on MR spectroscopy. *syngo* GRACE is an advanced, single-voxel MR spectroscopy tool dedicated to breast evaluation. It offers two push-button methods for relative quantification of the total choline signal in the breast: internal (water) reference and external (sample) reference. This relative quantification produces a reliable value of the choline signal – independent of measurement conditions. In this way, *syngo* GRACE can provide information about treatment efficacy, helping to improve your therapy monitoring.

syngo TWIST* – Time-Resolved Angiography with Interleaved Stochastic Trajectories

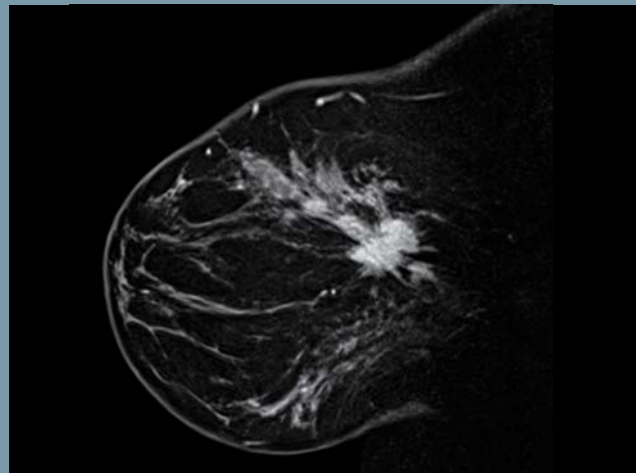
syngo TWIST is based on a k-space sampling algorithm. Signal-enhanced data can be used to evaluate potential tumor vascularization. As an advanced application for time-resolved 3D MR dynamic imaging, *syngo* TWIST can be used for soft-tissue imaging, e.g. breast MRI. It offers great flexibility in terms of k-space sampling schemes. Furthermore, *syngo* TWIST is iPAT-compatible: sub-millimeter spatial and high temporal resolution are the basis for high-quality dynamic datasets that can be evaluated either in 3D or 4D format.

Advanced Applications

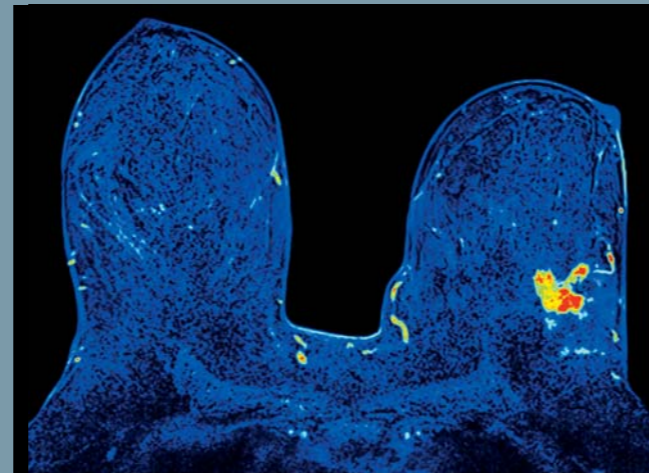


Applications for Routine Breast Imaging – syngo Breast Suite

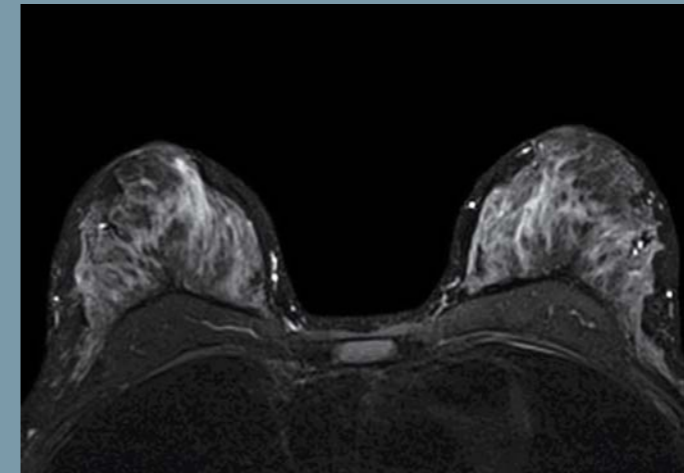
syngo VIEWS –
Excellent tissue differentiation in patient with lobular cancer.
Hospital Sirio Libanes, Sao Paulo, Brazil



PEI (Positive Enhancement Integral) of syngo VIEWS –
Isotropic voxel size allows reformatting in any orientation. Color map shows carcinoma in this patient.
Hospital Sirio Libanes, Sao Paulo, Brazil

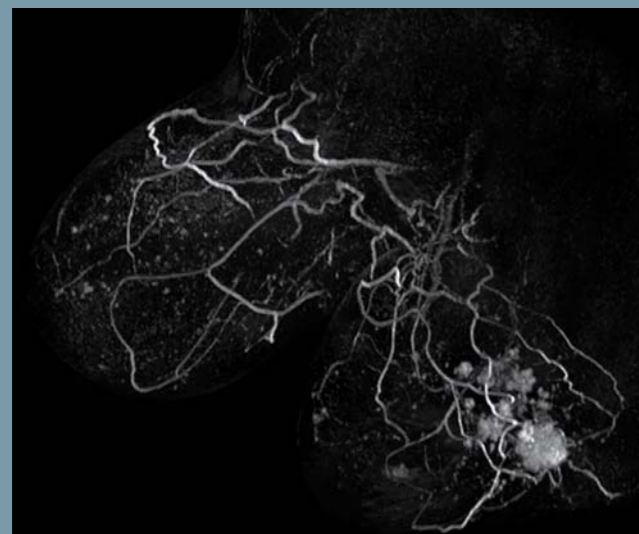
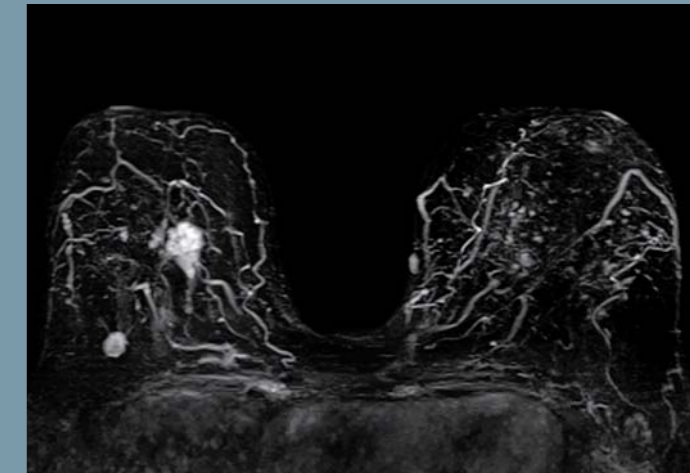


syngo BLADE –
Motion artifact compensation even in case of severe movement.

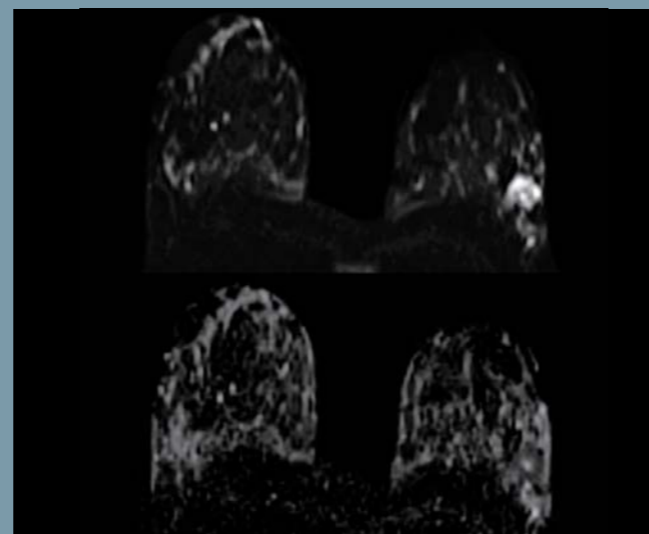


Advanced Applications

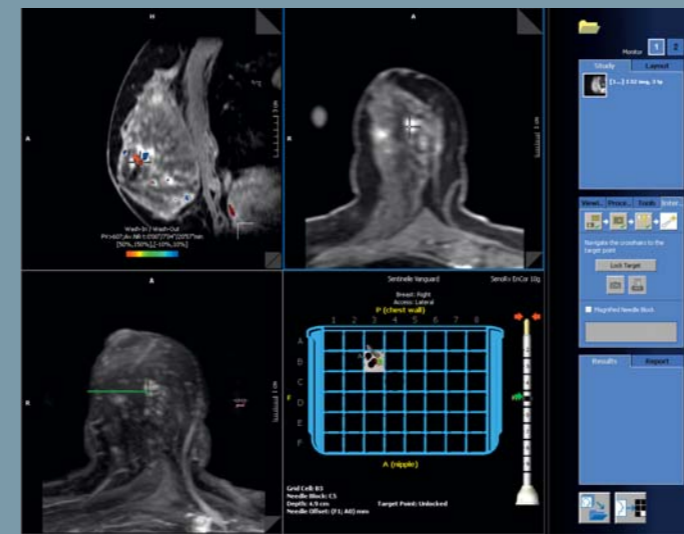
syngo TWIST –
Increased spatial resolution provides better visualization of breast tissue.
University Hospital, Erlangen, Germany



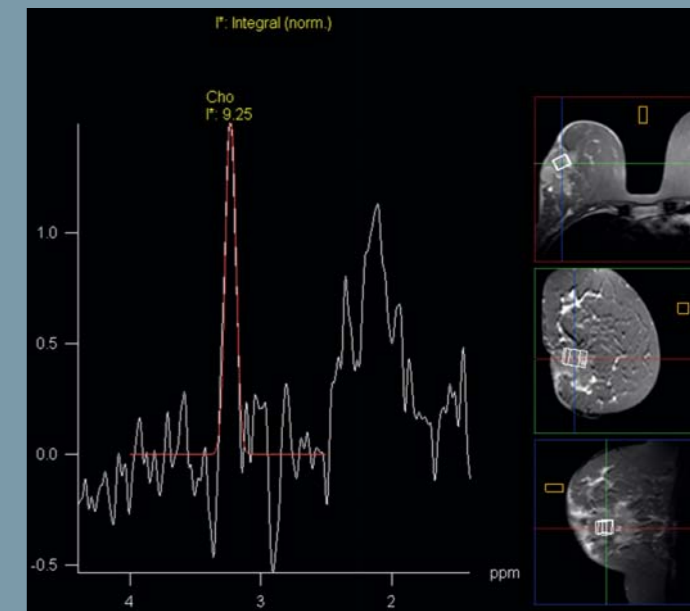
MIP (Maximal Intensity Projection) of syngo VIEWS –
High temporal and spatial resolution showing detailed information in patient with carcinoma in the right and cystic lesion in the left breast.
Hospital Sirio Libanes, Sao Paulo, Brazil



syngo REVEAL –
High specificity for breast lesions, for differentiation of benign versus malignant lesion/tissue.
Hospital Sirio Libanes, Sao Paulo, Brazil



syngo BreVis Biopsy –
Example for interventional path planning.
Liane Philpotts, M.D., Yale New Haven Hospital, New Haven, USA



syngo GRACE –
Breast spectroscopy with quantification for effective therapy monitoring and lesion differentiation.
All India Institute of Medical Sciences, New Delhi, India



You are dedicated to providing comprehensive breast care for your patients. And Siemens is committed to helping you reach your goal. **MAGNETOM Espree – Pink offers imaging capabilities using leading-edge technology that improves your workflow. With this, breast MRI will be an integral part of the breast care service you offer your patients.**

Pink Comfort

An unprecedented level of patient comfort:

- 70 cm open-bore design for increased comfort especially for obese and claustrophobic patients
- Feet-first patient positioning as well as head-first
- Excellent access to perform biopsies
- Sentinelle breast coil to comfortably position patients of all sizes

Pink Workflow

An excellent coil technology and a dedicated workplace for efficient breast exams:

- Sentinelle breast coil for excellent image quality and optimal access for biopsy
- MultiModality Workplace with syngo BreVis for precise and effective reading and reporting
- Fast examination and reading time for higher patient throughput

Pink Applications

A comprehensive portfolio of applications for breast care:

- syngo Breast Suite – addressing all needs of routine breast imaging
- Advanced applications – including Siemens' unique syngo GRACE* for getting valuable information on the biochemical composition of a lesion
- Biopsy path planning – syngo BreVis Biopsy for a fast and accurate MR biopsy workflow

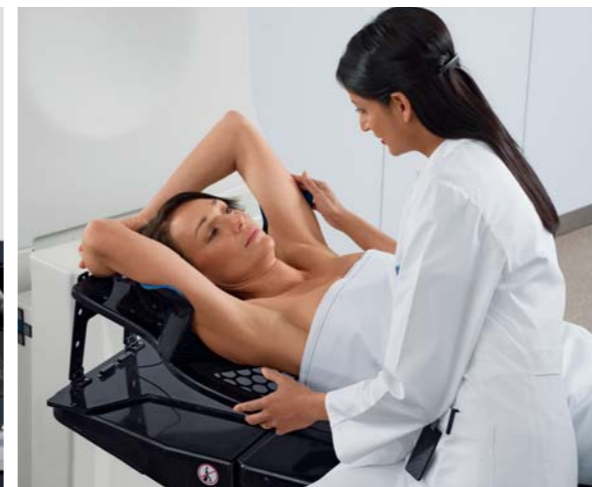
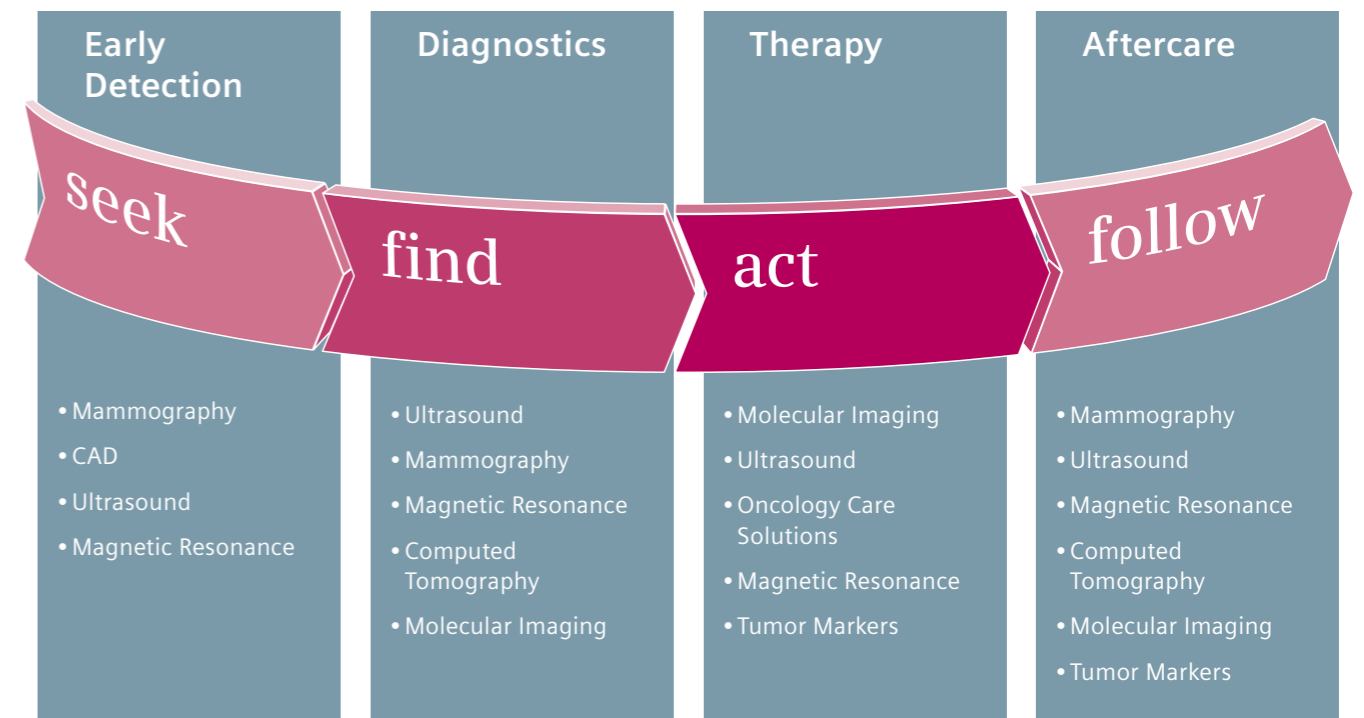
MAGNETOM Espree
Pink

Breast Care Solutions from Siemens. For Women. For Health. For Life.

As your partner in patient care, Siemens' comprehensive approach to women's health is helping to improve the standard of healthcare worldwide – helping detect, diagnose, and treat disease earlier, faster, and with greater precision. If there is one thing we in the healthcare field have learned, it's that every breast cancer patient is different, and, for that reason, differing imaging modalities, laboratory diagnostics, and therapy systems may help you to better detect, track, and treat an individual's disease. With that in mind, Siemens offers a range of breast care solutions, all designed to help you find the answers you seek, take the best possible course of action, and, ultimately, follow your patient through to recovery.

Siemens' comprehensive solutions follow the complete continuum of breast care – from screening to diagnosis, therapy, and aftercare. And our solutions in healthcare IT support the exchange of data for making informed decisions.

As part of our Breast Care Solutions, MAGNETOM Espree – Pink is supported by Siemens' long-standing excellence in maintenance, education, and networking.



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