

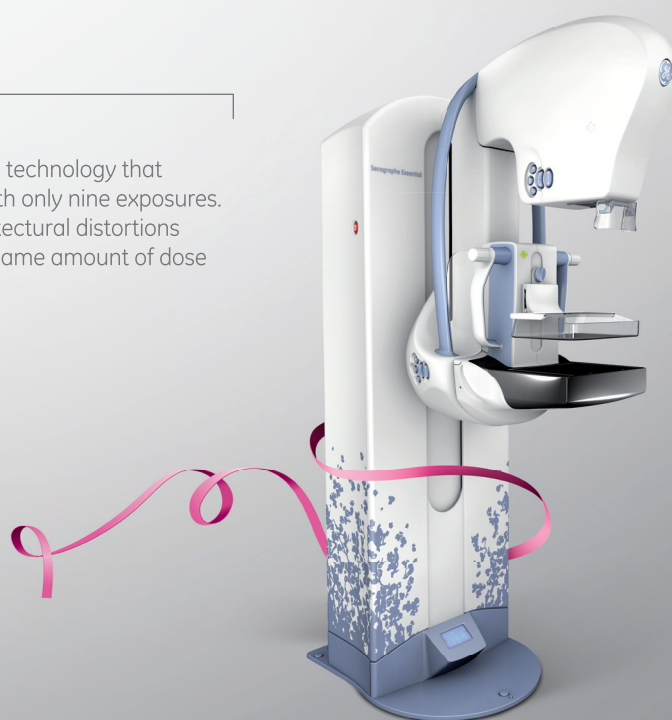
GE Healthcare

SenoClaire 3D Breast Tomosynthesis

Available on Senographe^{} Essential*

MORE CLARITY. MORE CONFIDENCE. LESS DOSE.

GE's SenoClaire^{*} breast tomosynthesis is a three-dimensional imaging technology that uses a low-dose short X-ray sweep around the compressed breast with only nine exposures. SenoClaire, powered by ASiR^{DBT}^{*}, provides superior sensitivity for architectural distortions and masses, giving you more clinical confidence while delivering the same amount of dose as a digital mammography acquisition of the same view.

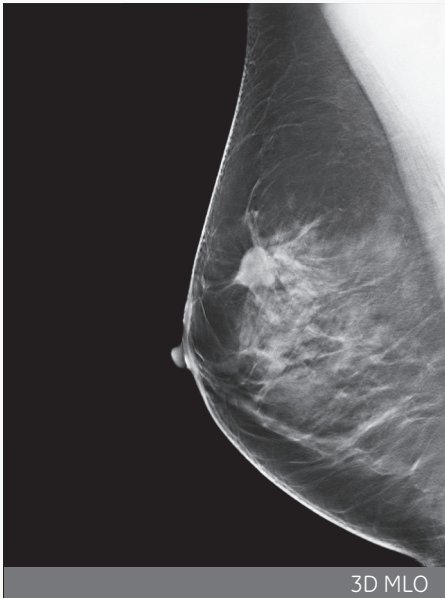
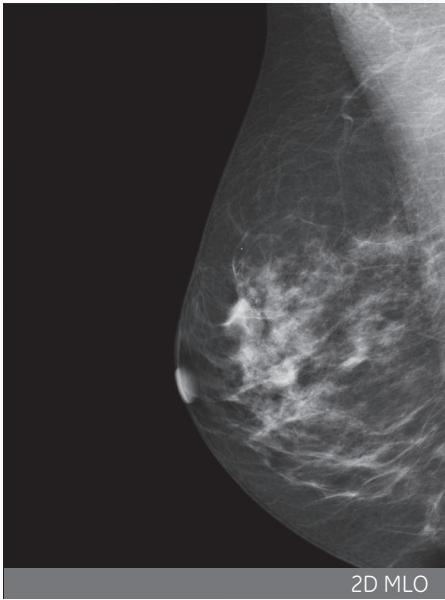


MORE CLARITY

- > See more clearly
SenoClaire improves the specificity of mammography by improving lesion margin visibility.
- > Screen more effectively
Due to its low dose and non-inferior clinical accuracy, SenoClaire has the potential to replace digital mammography exams in screening at half the dose to detect breast cancer. As part of the learning curve process, an additional CC view may be considered along with the 3D MLO view, which will help radiologists become more comfortable with reviewing only the 3D MLO sequence in the near future.
- > Characterize more specifically
SenoClaire enables better characterization of malignant and benign findings by providing a 3D MLO view that has superior detection for architectural distortions and masses¹ compared with 2D FFDM. Clinical results have shown that the recall rate after a 3D MLO examination is lower than the recall rate after a 2D FFDM exam.

Powered by SenoClaire technology:

- The SenoClaire detector delivers high DQE at low dose for visualizing microcalcifications without binning, a process that regroups pixels for faster readout speeds and improved signal-to-noise ratios, but with reduced image quality.
- Step-and-shoot tube motion preserves microcalcification sharpness and avoids image blur, since the tube makes a complete stop for each of the nine exposures. This provides higher peak contrast for microcalcifications than traditional continuous tube motion.
- An anti-scatter solution designed for tomosynthesis, the SenoClaire grid in 3D reduces scattered radiation and improves detectability in 3D for breasts of above-average thickness, while preserving dose and performance.
- SenoClaire uses ASiR^{DBT}, an iterative reconstruction algorithm that yields FFDM-like images and positively impacts microcalcification conspicuity versus the traditional Filtered Back Projection (FBP) algorithm.



MORE CONFIDENCE

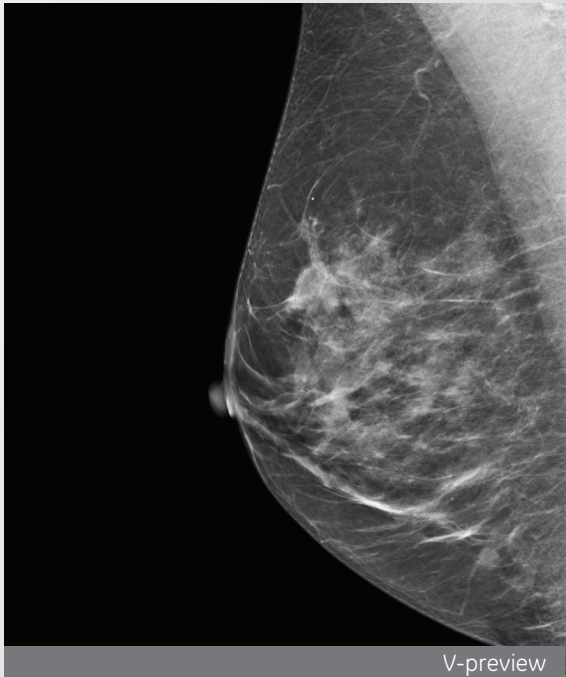
Care with confidence

Because GE builds the Senographe with upgradability in mind, you can easily expand the system as your needs and capabilities grow. SenoClaire 3D breast tomosynthesis, stereotaxy, or SenoBright[®] contrast enhanced spectral mammography are fully compatible with any Senographe Essential and Senographe Care. It's an excellent balance of precision and performance, so you can be confident in your investment.

Connect with compatibility

SenoClaire images are compatible with major PACS providers (with local variability), allowing integration into your environment and helping you make optimal use of your investment. With the IDI MammoWorkstation, radiologists can smoothly navigate through the DBT dataset using dedicated 2D/3D hanging protocols and specific ergonomic features:

- Straightforward visual identification of all series of tomosynthesis planes and slabs
- Dedicated tools to review tomosynthesis data sets: cine loop, bookmarks, breast localizer, breast height ruler
- V-Preview reconstructed images from tomosynthesis



LESS DOSE

It's a requirement of dose performance that patient X-ray dose be kept as low as reasonably acceptable. A single MLO view of SenoClaire, powered by ASiR^{DBT}, provides clinical non-inferiority when compared to 2-view digital mammography. It's half the dose, with one single compression.

Powered by SenoClaire technology:

- SenoClaire's ASiR^{DBT} iterative reconstruction algorithm delivers FFDM-like images and positively impacts microcalcification conspicuity versus the traditional Filtered Back Projection (FBP) algorithm.
- SenoClaire's 3D MLO sequence requires only nine exposures with an even distribution of the dose.
- The SenoClaire grid in 3D reduces scattered radiation and improves detectability in 3D for breasts of above-average thickness, while preserving dose and performance.
- The dual-track X-ray tube (Mo/Rh) delivers optimal X-ray spectra to penetrate the breast based on breast density and compressed breast thickness. Automatic Optimization of Parameters (AOP) helps you identify the densest breast regions and automatically selects the appropriate anode, filter, kV and mAs to ensure repeatable image quality at optimized radiation dose.



GE imagination at work

Data subject to change.
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Société en Commandite Simple au capital de de 85.418.040 Euros
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SenoClaire is also available on Senographe Care
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