

Understanding MammoScreen®: A Smarter Mammogram



Your sidekick in cancer detection.

At The Woman's Group, we are continuously evaluating tools to help our affiliated radiologists increase efficiency and effectiveness. We recently entered a partnership with MammoScreen®, a breast cancer screening AI. Now every Woman's Group mammogram will benefit from your expertise and a second set of eyes without sending the patient for a second opinion.

What is MammoScreen®?

MammoScreen® is an FDA-cleared artificial intelligence technology that supports the radiologist during interpretation. Historically, you have had access to 2D Computer-Aided Detection (CAD) tools to help mark areas for review. MammoScreen® represents the next generation of clinical support—a deep learning-based model trained on millions of 2D and 3D mammogram images.

Unlike traditional CAD, MammoScreen® can not only analyze both 2D and 3D images but can also incorporate prior images, providing context over time and delivering more refined, consistent support to radiologists. It analyzes the mammogram and provides visual markers and a calibrated score to highlight areas that may need a closer look.

How is the workflow impacted?

You will not be required to do anything else. No additional images need to be taken or provided. The patient will come in for the mammogram, and it will be taken as normal. The images will be sent to MammoScreen® for an evaluation. As you open the case, you'll receive a notification via a small widget that you can place on your viewer or side monitor. This will provide a MammoScreen® Score – an assessment of the likelihood of cancer.

How Does It Work?

- **MammoScreen® Score:** The MammoScreen® Score is based on a 1-10 scale. 1-4 is green, meaning it is low suspicion and no findings will be displayed. 5-6 are yellow, where MammoScreen® will alert you to something, but it is an indeterminate level of suspicion. 7-10 are red, high level of suspicion, and these are cases that likely need to be recalled.
- **Seeing The Score:** You can see the results via the Widget, or DICOM SR markings.

Will I be trained on MammoScreen®? Yes, all users will be given an in-depth training so they are aware of all the capabilities of MammoScreen®. Typically, the training will take no longer than an hour, and can also be done individually online.

What are the benefits?

- **Enhanced Detection:** MammoScreen® detects some cancers earlier—in studies, up to 42% of the visible cancer in previous mammogram one year before diagnosis
- **Greater Accuracy:** : It increases sensitivity helping to catch more cancers, and specificity, reducing false positives, helping avoid unnecessary callbacks for additional imaging
- **Added Assurance:** Two expert reviews—you and MammoScreen—meaning more confidence in results

Is It Safe? Yes. MammoScreen® is FDA-cleared and has been clinically validated in large studies. It does not replace the radiologist, but enhances your ability to catch early signs of cancer. This will help the patient receive results they can be even more confident in.

Questions? We're happy to answer them. Just ask any member of our team.



**Early Detection. Smarter Screening.
Compassionate Care.**