



Frequently Asked Questions about the New Genius 3D mammography at Porter Hospital

Porter Hospital now offers a new technology called **Genius 3D mammography**.

What is a Genius 3D mammography breast exam?

A Genius 3D mammography exam is very similar to having a traditional 2D mammogram, but far more accurate in earlier breast cancer detection than any other mammogram. Like a 2D mammogram, the technologist will position you, compress your breast and take images from different angles.

Genius 3D mammography works by capturing multiple slices (images) of the breast from several angles, creating a layered 3D breast image. Our radiologist is then able to review your breast, one thin slice at a time, almost like turning pages in a book, which helps them make a more accurate diagnosis. Unlike a 2D traditional mammography where doctors can only see the front cover of a book, thus viewing all of the complexities of your breast tissue in a flat image, Genius 3D mammography allows for more detail to be seen.

Is there any additional compression?

There's no additional compression required with Genius 3D mammography, and it only takes a few seconds longer.

Why we recommend Genius 3D mammography:

Genius 3D mammography is simply a better mammogram. This technology is clinically proven, and it's the most accurate mammogram available. It is the biggest breakthrough in breast cancer detection in 30 years.

Facts about Genius 3D mammography

- Genius 3D mammography is the only clinically proven 3D mammogram that is superior to a regular 2D mammogram.
- Several large studies have shown that Genius 3D mammography detects 41% more invasive breast cancers and reduces the chance that you will need to be called back for additional views by up to 40%.
- Genius 3D mammography is approved for all women who would be undergoing a standard mammogram regardless of age or breast type - or whether you are coming in for a screening and/or diagnostic mammogram.

Screening dose:

Our site uses the lowest dose available for Genius 3D mammography. Very little X-ray dose is used during the Genius 3D mammography exam, just about the same as a standard 2D mammogram, and lower than a traditional film mammogram. The total patient dose is well within the FDA safety standards for mammography.