

3D Mammography

BREAST TOMOSYNTHESIS



Mammograms continue to play a crucial role in the early detection of breast cancer. They can detect changes in the breast that may be early signs of cancer, but are too small to be felt.

3D mammography is a revolutionary new screening and diagnostic tool designed for early breast cancer detection that can be done in conjunction with a traditional 2D digital mammogram. During the 3D part of the exam, the x-ray arm sweeps in a slight arc over your breast, taking multiple breast images. The computer then produces 3D images of your breast tissue in one millimeter slices. This allows greater visibility for the radiologist to see breast tissue detail.



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Benefits of 3D Mammography

The benefits of 3D mammography include:

- Image manipulation – digital technology allows the radiologist to manipulate the images on a high-resolution monitor. The radiologist can adjust the brightness and contrast and zoom in to areas of interest or suspicion.
- Improved image consistency – digital mammography provides a more consistent view of each mammogram image. Each is uniformly produced and provides the radiologist with the same high quality image for each mammogram.

An additional benefit to 3D imaging is:

- By looking at the breast tissue in one millimeter slices, the radiologist can provide a more confident assessment. In this way, 3D mammography finds cancers that may be missed with conventional 2D mammography. It also means there is less chance you will be called back for additional mammogram images.

What to expect?

3D mammography is very similar to having a traditional 2D mammogram. The technologist will position you, compress your breast and take images from different angles. 3D mammography requires the same amount of compression as 2D mammography and only takes a few seconds longer for each view.

Why choose 3D mammography?

3D mammography can detect up to 41% more invasive breast cancers and reduces false positives by up to 40% (reducing the need to return for additional imaging).

Radiation dose

Very low dose x-ray energy is used during the exam. The total patient dose for 3D mammography is well within the FDA safety standards for mammography.

For more information

To find out more about 3D Tomosynthesis or to find a location closest to you, please visit BaylorHealth.com/BreastImaging.

Scheduling: 817.329.2501

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