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Zilkha Radiology

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3D Breast Tomosynthesis at Zilkha Radiology

Zilkha Radiology has the most technically advanced, up-to-date 3D Mammography in our East Islip and West Islip offices.

Digital Breast Tomosynthesis is a 3D imaging modality used in conjunction with 2D digital mammography for breast cancer screening. It is acquired by low dose exposure of a rotating x-ray tube. The obtained 3D images are reconstructed at 1.0 mm thick slices.

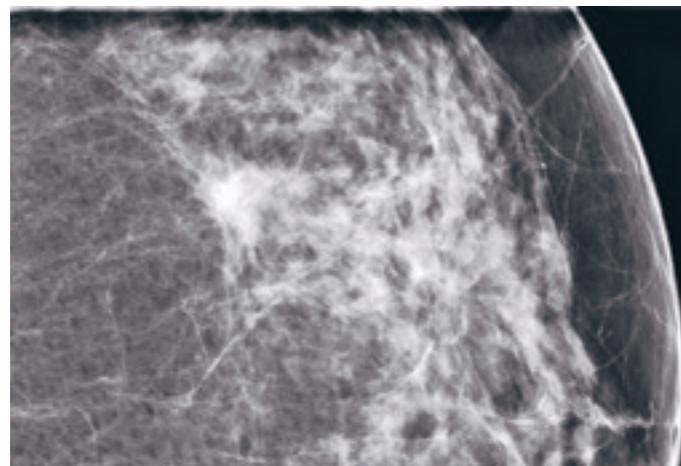
3D Breast Tomosynthesis is particularly useful in dense breasts, allowing overlapping structures of the dense breast to be separated. Only structures within the plane of interest remain in focus. The technology improves the ability to detect more cases of breast cancer at a smaller size and at earlier stage. 3D Mammography detects cancer that may be overlooked at 2D Mammography. Lives can be saved when breast cancer is found and treated at a smaller size and earlier stage.

The rate of diagnosis of breast cancer increases 27% when 3D is added to 2D mammography. There is a 40% increase in detection of invasive breast cancer when 3D is added to 2D. 3D reduces the need for recalls for additional images. 3D mammography reduces false positives, leading to less biopsies. There is less breast compression with 3D particularly important in patients with tender breasts.

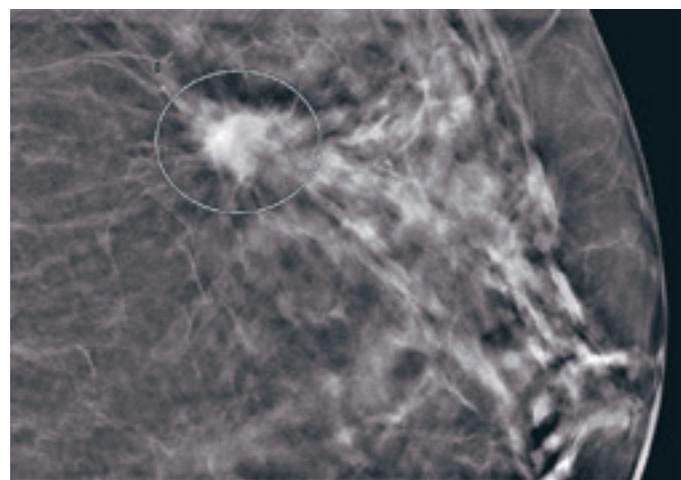
One example seen on the right side shows a small carcinoma seen on the 3D (circle) and not clearly on the 2D.

Zilkha Radiology also offers stereotactic breast biopsy, ultrasound guided breast biopsy and MR guided breast biopsy.

For your convenience, we are open 7 days a week 7am-10pm Monday to Friday, Saturday & Sunday 8-4



2D Mammogram



3D Mammogram

www.zilkharadiology.com