

**Mammograms are performed by our team of experienced and compassionate mammography professionals.**



**Sonja Cerra-Gilch, MD**

Section Chief

Breast Imaging & Breast Intervention

Jefferson Health – Northeast

A board-certified radiologist for almost 20 years, Dr. Gilch is a passionate advocate of women's health issues, working closely alongside breast surgeons and oncologists to provide the best possible care to all of her patients. She takes pride in being a female physician and feels privileged to provide exceptional healthcare to women in our community.

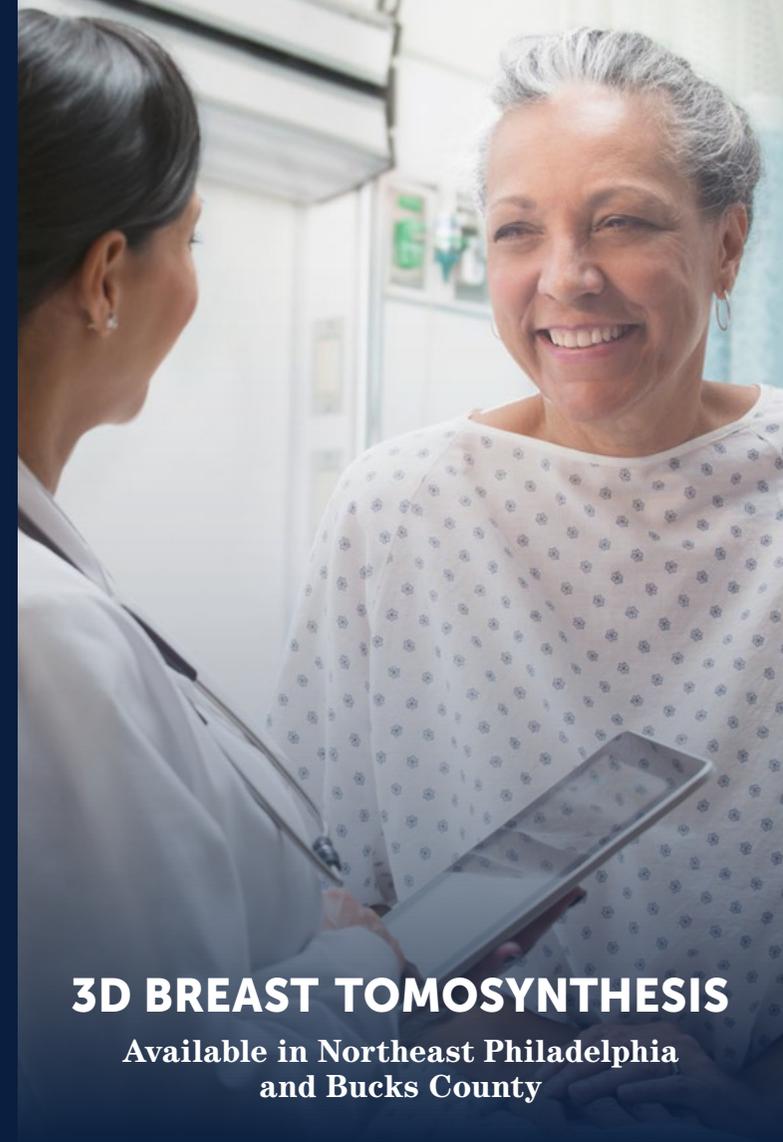
**We are committed to the fight against breast cancer and giving the best possible chance of early detection to the women in our community.**

**3D mammographies are available at:**

**Jefferson Torresdale Hospital  
10800 Knights Road, Suite 104  
Philadelphia, PA 19114**

**Jefferson Bucks Hospital  
380 N. Oxford Valley Road  
Langhorne, PA 19047**

**Contact us today to schedule your  
3D mammogram: 215-831-5800**



**3D BREAST TOMOSYNTHESIS**

**Available in Northeast Philadelphia  
and Bucks County**



**Jefferson Health®**

HOME OF SIDNEY KIMMEL MEDICAL COLLEGE

*More clarity. More confidence.  
Low dose.*



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**JeffersonHealth.org**

## 3D Mammography at Jefferson Health

### *State-of-the-Art Technology Available to Women in Our Community*

Jefferson Torresdale and Bucks Hospitals are proud to offer the latest 3D imaging technology to the women in our community. We know that early detection is key to successfully treating breast cancer, and that's why we invested in the latest innovations in 3D Breast Tomosynthesis (Tomo) mammography:

#### **HOLOGIC DIMENSIONS®**

Hologic Dimensions 3D Breast Tomosynthesis generates 2D images from tomosynthesis data in a 3.7-second scan without additional 2D exposures. It achieves higher levels of accuracy compared with 2D mammography at a dose comparable to the U.S. average mammogram. This provides the clarity needed to make an accurate assessment and avoid unnecessary follow-up exams, further reducing radiation dose.

#### **GE'S SENOCCLAIRE**

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. This imaging technique is designed to separate the tissues and reduce the overlapping of structures, which represents a limiting factor in standard 2D mammography.

### **ADVANTAGES OF 3D MAMMOGRAPHY**

- Takes multiple x-rays of each breast from different angles
- Processes acquired projection images electronically in order to reconstruct a 3D representation of the entire breast
- Allows our physicians to look at cross-sections of the breast
- Reduces the problem of overlapping tissues
- Improves detection of breast cancer 10-30% over 2D imaging alone
- May improve detection of early-stage breast cancer and reduce the number of unnecessary biopsies or return visits for additional imaging

### **WHICH PATIENTS SHOULD USE TOMO?**

This technology has become our new standard of care and is available to all patients for screening and diagnostic mammograms.

Since images are taken at multiple angles, women with dense breast tissue can also benefit, as 3D mammography provides better detection for these patients.



### **WHAT CAN PATIENTS EXPECT DURING A 3D MAMMOGRAM?**

3D mammography complements standard 2D mammography. No additional breast compression is required and it only takes a few more seconds. The experience will be very similar to mammograms patients have had in the past.

### **IS THERE INCREASED RADIATION WITH TOMO?**

Tomosynthesis is safer, and radiation exposure to the breast is very low. The dose for a combined 2D/3D mammography exam is well below the acceptable limits defined by the FDA, and is only a fraction of the level of radiation everyone receives annually from the natural outdoor environment.

There is no evidence that this low level of radiation has any significant effect on the breasts. As with any x-ray, patients should inform their technologist before an exam if they are (or may be) pregnant.

*For more information about 3D breast tomosynthesis in Northeast Philadelphia and Bucks County or to schedule an appointment, please call 215-831-5800.*

