

# 'HEAD TO TOE'

A MESSAGE FROM THE DESK OF RADIOLOGY ASSOCIATES

## **3D Mammography** *Latest, Cutting-Edge Advancement In Breast Cancer Detection In 30 Years*

***Radiology Associates is the first and only in the Costal Bend to offer this latest technology***

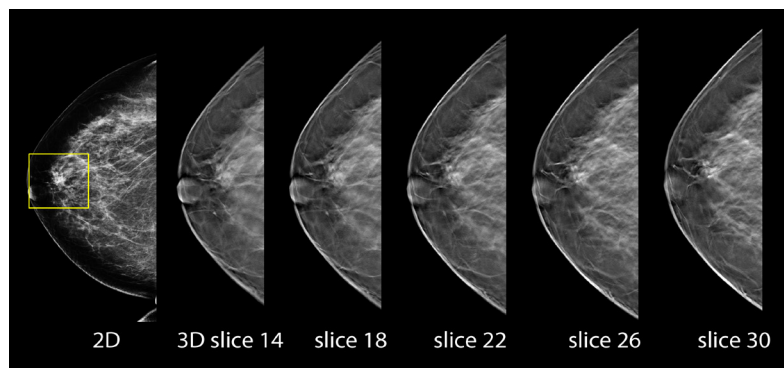
With five-year survival rates close to 100 percent when breast cancer is detected early, effective breast cancer screening is vitally important. Radiology Associates is excited to introduce 3D mammography, the latest advancement in breast cancer detection in 30 years.

The revolutionary screening and diagnostic tool – also called tomosynthesis - can be conducted in conjunction with a traditional 2D digital mammogram. The technology creates a crystal-clear 3D reconstruction of the breast in one-millimeter slices.

While digital mammography is still one of the best technologies available, the process only creates a two-dimensional image of blood vessels, milk ducts and ligaments - all located at different heights. These overlapping tissues can cause confusion and result in the leading reason why small breast cancers may be missed and normal tissue may appear abnormal, leading to unnecessary call backs.

Three-dimensional mammograms are far superior, allowing radiologists to review the reconstruction one millimeter slice at a time.

3D mammograms are approved for all women who would be undergoing a standard mammogram in both the screening and diagnostic settings, but are especially beneficial for younger women and women with dense breasts. No additional compression is required and it only takes a few seconds longer for each view, and similar levels of radiation are used.



**Research is finding that 3D mammography combined with 2D mammography provides:**

- a 27% increase in overall cancer detection
- a 40% increase in invasive cancer detection
- better visualization of masses, distortions and asymmetric densities
- significantly reduction in “call backs” by 20 to 40%

