



**FOR IMMEDIATE RELEASE**

## **SMAART MEDICAL ADDS BREAST TOMOSYNTHESIS TO ITS SMAART-PACS**

DALLAS, TX – March 3, 2017. SMAART Medical Systems, Inc. today announced that it now supports the latest imaging technology in women's health, Breast Tomosynthesis. This type of imaging is being installed in more and more hospitals to improve the early detection of breast cancer at the time it is more easily treated. This new SMAART-PACS capability permits vendor-neutral DICOM storage and retrieval of tomosynthesis images which may be viewed on SMAART's mammography workstation or any third-party mammography workstation equipped to view tomosynthesis.

A conventional x-ray examination of the breast, called a mammogram, is two-dimensional: two x-ray images are taken of the breast, from top-to-bottom and from angled side-to-side, while the breast is compressed between a clear plastic paddle and an imaging detector. Although compression is necessary to obtain breast images, it may cause overlapping of the breast tissue in which abnormal tissue can be hidden and superimposed normal tissue can appear abnormal.

In breast tomosynthesis, the x-ray tube moves in an arc over the compressed breast capturing multiple images of each breast from different angles. These digital images are then reconstructed or "synthesized" into a set of three-dimensional images by a computer. These three dimensional image sets help minimize the tissue overlap that can hide cancers or make it difficult to distinguish normal overlapping breast tissue from tumors.

SMAART debuted this technology in a hospital in Wisconsin which has had a SMAART-PACS for several years. The facility performs this imaging procedure on over 1000 patients per year. The facility also upgraded the storage in the PACS since each breast tomosynthesis exam require 25 times the storage of the traditional digital breast x-ray exam.

SMAART Medical Systems, Inc. is a Dallas-based, national supplier of PACS (Picture Archive and Communication System) and RIS (Radiology Information System) systems. PACS and RIS are the radiology industry's way to modernize diagnostic image management. SMAART specializes in turnkey solutions for small to medium-sized critical access hospitals and other radiology practices. For additional information, visit our website at [www.smaart.net](http://www.smaart.net).