A Powerful Ally in the Fight Against Breast Cancer

COMPUTER-AIDED DETECTION
FOR MAMMOGRAPHY

Computer-Aided Detection

The ImageChecker® CAD system is the leading FDA-approved computer-aided detection (CAD) system for mammography. This revolutionary technology assists your doctor in the reading of your mammogram, pointing out areas of interest that might otherwise go undetected.

This year millions of women will have their mammograms screened with the aid of the ImageChecker system.

For additional information on breast health, call the American Cancer Society at 1.800.ACS.2345 or visit www.hologic.com/breasthealth.

The Truth About Breast Cancer

It is estimated that a woman's lifetime risk of developing breast cancer is one in eight.[1] Mammography is the most effective method of screening for breast cancer, and early detection is the key to higher survival rates and better prognosis.

The Clinical Challenge

The technology for creating mammograms continues to improve. Doctors are now able to find cancers that may have not been detected previously. Yet interpreting mammograms is still very challenging for radiologists because breast tissue varies widely among women and some cancers are hard to visualize, even for the most skilled physicians. As a result, mammograms are occasionally read as "normal" even though there may be a cancer present.[2]

Some imaging centers utilize "double reading", where two radiologists read each mammogram, to improve cancer detection. The majority of clinics utilize a computer to assist a single radiologist in searching for cancer, a method that has shown to be equally effective.[3]

The Computer Aided Detection (CAD) Solution

CAD systems use computer software to analyze mammograms. They highlight regions of interest, drawing the radiologist's attention to areas that require additional review.

By providing a second reading for mammography images, the ImageChecker® CAD system helps doctors detect breast cancers earlier and at more treatable stages.[4]

ImageChecker CAD is the mammography CAD system most widely used in the United States. First introduced in 1998, millions of women have their mammograms read with the help of ImageChecker CAD each year.

Susan's Story

"My breast cancer was discovered when I went for a regular mammogram. The abnormality was so small that the doctor said that had it not been for the ImageChecker CAD system, it might have been missed. The cancer was in the early stages so I am thankful that it was successfully removed with lumpectomy. Due to early detection, neither radiation nor chemotherapy was required. Now, I am leading a normal, healthy life."

Susan Hicks
BREAST CANCER SURVIVOR
Susan Hicks was an invited guest on ABC's Good Morning America, hosted by anchorwoman Diane Sawyer and Medical Correspondent Dr. Nancy Snyderman.

Early detection is the key

"Use of the ImageChecker CAD system could result in earlier detection of up to 23.4% of the cancers currently detected with screening mammography in those women who had a prior screening mammogram 9–24 months earlier."[5]

1. Cancer Facts and Figures 2008, American Cancer Society, Inc., Publication 500808.

2. Burhenne LW, Wood S, D'Orsi CJ, Feig SA, Kopans DB, O'Shaughnessy KF, et. al. Potential Contribution of Computer-Aided Detection to the Sensitivity of Screening of Mammography. Radiology. 2000;215:554-562.

3. Gilbert, F., CADET II, Single Reading with Computer-Aided Detection for Screening Mammography, New England Medical Journal 359;16, October 2008.

4. Cupples TE, Cunningham JE, Reynolds JC. Impact of CAD in a Regional Screening Mammography Program. AJR 2005; 185:944-950.

5. Claim approved by the FDA

Helping doctors find more cancers