

# *Applying the Power of AI to Breast Imaging*

**QV**CAD/ABUS  
Imaging Workflow Solution

**A Clinical Solution For Women With  
Dense Breast Tissue**



**QView**  
MEDICAL

# QVCAD/ABUS

## Imaging Workflow Solution

The benefit of ultrasound in detecting and diagnosing breast cancers that were not visible in mammography has been widely publicized in research studies and scientific papers.

Automated Breast Ultrasound Systems (ABUS) have made it possible to have a more complete, standardized view of the breast removing inter-operator variability. However, lengthy reading time to review an ABUS case has slowed its wide acceptance as a breast screening ultrasound option.

The QVCAD innovative C-Thru™ technology combined with ABUS provides a timely solution to breast ultrasound screening with 33% improved reading time over ABUS alone and no loss in diagnostic accuracy\*. This combination provides a solution that has the potential to be the preferred screening method for women with dense breast parenchyma. A case review snapshot is provided on the right.

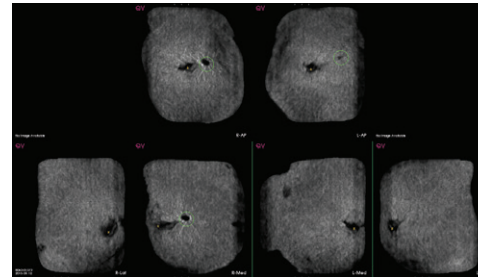
Unlike existing CAD systems, QVCAD presents the CAD findings at initial review of the ABUS case.

QView Medical believes QVCAD and its improved reading time will be the catalyst that will accelerate breast ultrasound screening worldwide and be the preferred screening modality for women with breast density where mammography is somewhat limited in cancer detection.

\* The QVCAD reader study was submitted to support the FDA PMA submission (P150043) approved November 2016.

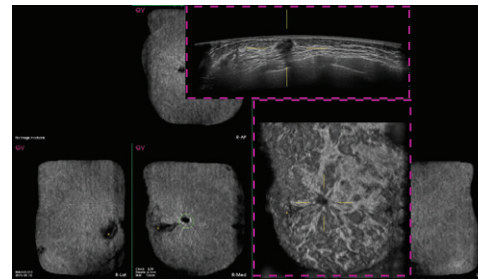
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### 1 The QVCAD C-Thru™ Overview



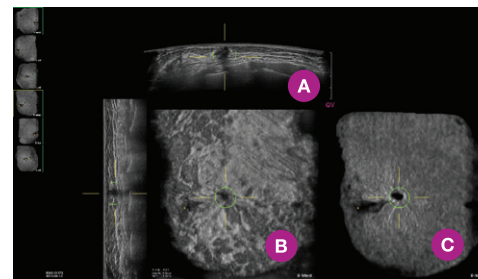
The QVCAD C-Thru™ Navigator image overview gives the radiologist a preliminary overview of the study and highlights abnormal areas that may be further examined.

### 2 Hover Over QVCAD Marked ROI



Hover over any region of interest (ROI) indicated by QVCAD with a marker or by enhancing dark areas and/or spiculations. The Transverse and Coronal images of the ROI are then displayed next to the hover image, allowing scrolling through nearby images.

### 3 Detailed Examination



A more detailed examination of the original ABUS images complete the final review.

- A** Original ABUS Transverse Image
- B** Reconstructed ABUS Coronal Image
- C** QVCAD C-Thru™ Navigator Image

**QView Medical is focused on productivity tools to aid the radiologist in earlier detection of breast cancer.**

### **About the Qview Medical Team**

The QView Medical team has been the leader in deep learning image analytics for over 20 years and is the developer of the QVCAD System. This is the same team that developed R2 CAD™ for Mammography, U-Systems™ the first approved ABUS system and now QVCAD.

**Indication for Use:** The QVCAD System is indicated for use as an aid to the reader during screening procedures in searching images of female breasts produced by the somo.v™ Automated Breast Ultrasound System (screening mammography BI-RADS® Assessment Category 1 or 2, and BI-RADS Composition/Density c or d) to detect mammography-occult lesions in regions not known to have suspicious findings. The indicators produced by the QVCAD System are not intended to be used for diagnostic characterization of suspicious findings.



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