SecondLook 300 and SecondLook 200

The SecondLook 300 and SecondLook 200 products are film-based CAD systems combining patented Clinical Information System digitizer technology with industry-leading cancer detection algorithms. The compact design of these SecondLook systems provides flexibility and convenience to meet constrained space requirements. These systems install quickly on-site and are supported by iCAD's customer support and service teams. Flexible DICOM integration options enable customized configurations with leading PACS and Radiology Information System systems.

The SecondLook 200 is a CAD solution providing early, accurate cancer detection for use at smaller facilities with lower case volumes. iCAD's ClickCAD program offers an alternative fee-per-procedure financing option for SecondLook 200 users, enabling facilities of all sizes to provide the benefits of CAD to their patients.

As the mammography market continues to migrate to digital systems, we expect that demand for analog CAD systems will continue to shift to digital CAD solutions.

Products for Converting Mammography Films to Digital Images

TotalLook® MammoAdvantage®

The TotalLook MammoAdvantage ("TLMA") system is iCAD's second generation mammography specific digitizer. TLMA provides a comprehensive film-to-digital solution making it easier for facilities to transition from film to digital mammography. The product converts prior mammography films to digital images delivering high resolution digitized images to meet the critical specifications required for conversion of prior films. The TLMA's unique configurable image resolution settings enable the digitized and newly acquired digital images to be displayed at the same time. In moving to one review workstation for comparative review, users experience improvements in workflow, productivity and reduced discomfort associated with switching between a light box and a computer screen to view images. Results from a study (*Full Field Digital Mammography Interpretation with Prior Analog versus Prior Digitized Analog Mammograms: Time for Interpretation)* presented at the 2009 RSNA meeting demonstrated a 30% reduction in time for image interpretation with digitized analog mammograms.

The TLMA provides flexible DICOM connectivity for seamless integration with leading review workstations, PACS and RIS systems. Specialized image compression techniques reduce files sizes up to 80%, minimizing long-term storage requirements.

Advanced Image Analysis and Workflow Solutions in MRI Imaging – Breast and Prostate

SpectraLook,® VividLook,® OmniLook™

iCAD offers a suite of FDA cleared dynamic contrast enhanced (DCE) MRI analysis solutions for breast, prostate, and other organs.

Each of three modules, SpectraLook for breast, VividLook for prostate, and OmniLook for other organs, deliver objective, consistent quantitative analysis of DCE MR images. The software automates the process of drawing regions of interest, minimizing potential errors inherent in manual processes. Once a region of interest has been identified, a sophisticated algorithm analyzes changes in the MR signal in the tissue to help clinicians discern biological processes taking place in malignant versus benign tumors.

iCAD's algorithm uniquely uses all data available from an MR study, resulting in more consistent analysis across magnets and contrast agents.

VersaVue™ Enterprise

VersaVue Enterprise is a review and reporting solution built on read-anywhere thin client architecture. Used in conjunction with SpectraLook, VividLook, or OmniLook modules, it provides visual and quantitative depictions of the movement of contrast agent through a lesion. Colorized overlays draw the attention of the reading radiologist to suspicious areas within the organ being imaged, aiding in the analysis of large MRI datasets. The combination of quantitative and qualitative information reveals characteristics of tumor physiology, and can aid in detecting and localizing cancer as well as supporting treatment planning and monitoring of the lesion over time.

PrecisionPoint®, iCAD's interventional planning solution, provides radiologists with an automatic calculation of the location and depth of a targeted region of interest making breast biopsies easier, faster, and more reliable.

Advanced Image Analysis and Workflow Solutions in CT Colonography

VeraLook™

iCAD introduced a CAD solution, VeraLook, in August 2010 following FDA clearance of he product. This solution is designed to support detection of colonic polyps in conjunction with CTC. iCAD believes that CAD for CTC is a natural extension of iCAD's core competencies in image analysis and image processing. The system works in conjunction with third party display workstations and PACS vendors. Field testing of the product was initiated in 2008