SIEMENS

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Healthcare Sector

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Fact sheet Computer-Aided Detection (CAD)

What is mammography CAD?

- Computer-aided detection (CAD) software is designed to support radiologists in the early detection of breast cancer in digital mammography examinations
- The software analyzes images and generates CAD marks to highlight suspicious areas, such as masses and microcalcifications.
- CAD flags areas of concern for a radiologist to re-examine and is especially valuable in flagging small, early-stage lesions, and lesions in younger women
- The system assists the radiologist in minimizing observational oversights by identifying areas on the original mammogram that may warrant a second review

What are the benefits of using CAD for digital mammography?

- CAD technology has been developed on an extensive database of Siemens digital mammography images
  Data can be stored on PACS archives and used for comparison in follow-up examinations
- The user can sort the patient list based on density
- Ability to follow clusters over time, so that a quantitative measure of the number of calcifications can be compared from one examination to the next
- Assists the radiologist in locating a finding in the second view, when the location is not clear on initial inspection
- The user can toggle back and forth between different thresholds for the certainty level, to display more or fewer CAD marks

Which CAD Breast Care product is available?

- ***syngo* MammoCAD** has been available on the European Market since 2006 and is not available for sale in the U.S.