

Technology Backgrounder

Mammography

Philips MicroDose SI

While mammography has dramatically reduced breast cancer mortality since becoming a recommended routine health-screening tool, women have become increasingly aware of cumulative lifetime radiation dose. Improving a woman's mammography experience means helping her complete the process more quickly and comfortably, at a low radiation dose.

With the Philips MicroDose SI, you get outstanding image quality and non-invasive spectral applications, all in on fast and comfortable low dose mammogram. MicroDose SI is designed to improve the patient experience by providing women with a less stressful mammography experience. The breast positioning is easier and women also benefit from a curved support that enhances comfort.

Helping you to diagnose more confidently is at the core of our mammography solution. You get additional spectral information within the routine mammogram (no extra examination time, no extra dose, no contrasts) while providing patient-focused care. Our unique Spectral Breast Density Measurement application is designed to help efficiently and objectively measure breast density. This paves the way for refined risk assessment and personalized care.

MicroDose SI is based on our photon-counting technology, which allows for the same low dose as the previous MicroDose model with an increase of up to 11% in image quality. MicroDose SI provides industry-leading 50 μ m resolution and has shown great clinical performance, even in dense breasts.

MicroDose SI offers a simplified workflow, enabling as many as 15 four-view examinations per hour. It is ergonomically designed to decrease operator risk of musculoskeletal injury.

With considerable clinical and patient benefits, MicroDose SI gives your practice a strong competitive edge. Using our customizable MicroDose marketing kit will help you inform community members and referrals about the benefits of low-dose mammography and promote your patient-focused practice.

Furthermore, to safeguard your investment the MicroDose SI is designed to be the platform for future advanced applications such as spectral tomosynthesis.



Key benefits/features:

- Outstanding image quality
- Additional spectral information within the routine mammogram (no extra examination time, no extra dose, no contrasts)
- Fast and comfortable low dose mammogram
- Designed to be the platform for future advanced applications

Smarter:

- <http://www.forms.healthcare.philips.com/usa-microdose-mammographyMicroDose>
- clinical studies results white paper (4452 2991 03081 * MAY 2014)

For more information, additional materials and images, go to www.philips.com/RSNA and click on the “News Center” tab.