



Title	SureTouch
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Reference	Technology Review Report, 013/08. http://medicaldev.moh.gov.my/uploads/13.suretouch.pdf

Aim

To assess the effectiveness, safety, and cost effectiveness of SureTouch or palpation/tactile imaging.

Conclusions and results

Very limited quality evidence was available to support the effectiveness and cost effectiveness of palpation/tactile imaging (TI), and none was available regarding its safety. Four cross-sectional studies were retrieved on the technology used by SureTouch, but none on SureTouch per se. The retrievable evidence showed the technology to have reasonable sensitivity, specificity, and positive predictive value (PPV). It could also characterize and differentiate between benign and malignant breast cancer and improve communication among healthcare providers in managing such conditions. The TI modality also showed potential in providing cost-effective breast cancer screening and diagnosis.

Recommendations

Further scientific evidence is required to support the effectiveness, safety, and cost effectiveness of SureTouch and similar technologies. However, it can be recommended as a research tool in the screening of breast cancer.

Methods

The literature search included the following electronic databases: PubMed/MEDLINE, Cochrane, INAHTA, Horizon Scanning, other relevant websites (eg, US FDA website), and general search engines. The search strategy used the following terms, alone or in combination: SureTouch, breast neoplasms [Mesh], cancer, screen, tactile imaging, stress imaging, mechanical imaging, imaging, three-dimensional [Mesh], elasticity imaging techniques [Mesh], visual mapping system, digital sensing device, pre-mammogram instrument, palpation image, digital breast exam, real-time palpation imaging, screening. No limitations were imposed on the search.

Further research/reviews required

Further evidence is needed on the effectiveness, safety, and cost effectiveness of SureTouch or palpation/tactile imaging.