



<b>Title</b>	<b>Electrical Impedance Tomography (EIT) in Breast Cancer Screening</b>
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<b>Reference</b>	Technology Review Report, 006/09. <a href="http://medicaldev.moh.gov.my/uploads/tr_2009/eit_1.pdf">http://medicaldev.moh.gov.my/uploads/tr_2009/eit_1.pdf</a>

## **Aim**

To assess the effectiveness, safety, and cost effectiveness of electrical impedance tomography in screening for breast cancer

## **Conclusions and results**

Only one cross-sectional study and one Technology Review were retrieved for this review. The evidence was insufficient to support effectiveness, and no evidence was retrieved on the safety and cost effectiveness of electrical impedance tomography in screening for breast cancer.

## **Recommendations**

Electrical impedance tomography is not recommended until more evidence becomes available to support its effectiveness, safety, and cost effectiveness in screening for breast cancer.

## **Methods**

The literature searched of electronic databases included PubMed/MEDLINE, Cochrane, and INAHTA, and used the following search terms: “breast cancer”, “electrical impedance tomography”, and “electrical impedance mammography”. In the PubMed/MEDLINE database, the search was limited to publications from the past 3 years, in humans, and in English. The retrieved papers were critically appraised and the evidence level was graded according to the US/Canadian Preventive Services Task Force.

## **Further research/reviews required**

More clinical research is warranted on the device.