



TITLE: Recall Rates for Digital Mammography for Patients Undergoing Screening for Breast Cancer: Evidence-Based Guidelines

DATE: 29 September 2015

RESEARCH QUESTION

What are the evidence-based guidelines regarding appropriate recall for patients undergoing digital mammography for breast cancer screening?

KEY FINDINGS

No relevant evidence-based guidelines were identified regarding appropriate recall for patients undergoing digital mammography for breast cancer screening.

METHODS

A limited literature search was conducted on key resources including PubMed, The Cochrane Library, University of York Centre for Reviews and Dissemination (CRD) databases, Canadian and major international health technology agencies, as well as a focused Internet search. Methodological filters were applied to limit retrieval to health technology assessments, systematic reviews, meta-analyses and guidelines. Where possible, retrieval was limited to the human population. The search was also limited to English language documents published between January 1, 2010 and September 18, 2015. Internet links were provided, where available.

SELECTION CRITERIA

One reviewer screened citations and selected studies based on the inclusion criteria presented in Table 1.

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Table 1: Selection Criteria

Population	Patients undergoing digital mammography for breast cancer screening
Intervention	Digital mammography
Comparator	Conventional mammography
Outcomes	Guidelines and recommendations regarding recall, standards for recall, appropriate thresholds for further examination, appropriate recall rates
Study Designs	Evidence-based guidelines

RESULTS

No relevant evidence-based guidelines were identified regarding appropriate recall for patients undergoing digital mammography for breast cancer screening. References of potential interest are provided in the appendix.

OVERALL SUMMARY OF FINDINGS

No relevant literature was found regarding appropriate recall for patients undergoing digital mammography for breast cancer screening; therefore, no summary can be provided.

REFERENCES SUMMARIZED

Guidelines and Recommendations

No literature identified.

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APPENDIX – FURTHER INFORMATION:

Clinical Practice Guidelines

Digital Mammography not Specified, Uncertain Methodology

1. BC Cancer Agency. Screening Mammography Program - Physician protocol for screening mammograms [Internet]. Vancouver (BC): The Agency; 2014 [cited 2015 Sept 23]. Available from: <http://www.screeningbc.ca/NR/ronlyres/AA527AF1-6F8E-40DE-84DA-E2397FC29C9D/68351/SMPPhysicianProtocolsVersionFebruary2014Web.pdf>
See: *Mammograms may lead to additional testing, page 2*
2. BreastCheck Mammography Guidelines [Internet]. Winnipeg (MB): CancerCare Manitoba; 2012 [cited 2015 Sept 23]. Available from: https://www.cancercare.mb.ca/resource/File/BreastCheck/BreastCheck_Guidelines_Jan12.pdf
See: *Further Testing, page 1*

Systematic Reviews and Meta-Analyses – Uncertain Recommendations or Guidance

3. Iared W, Shigueoka DC, Torloni MR, Velloni FG, Ajzen SA, Atallah AN, et al. Comparative evaluation of digital mammography and film mammography: systematic review and meta-analysis. *Sao Paulo Med J*. 2011;129(4):250-60.
[PubMed: PM21971901](#)

Non-Randomized Studies

4. Hubbard RA, Zhu W, Onega TL, Fishman P, Henderson LM, Tosteson AN, et al. Effects of digital mammography uptake on downstream breast-related care among older women. *Med Care* [Internet]. 2012 Dec [cited 2015 Sept 23];50(12):1053-9. Available from: <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3494765>
[PubMed: PM23132199](#)
5. Hubbard RA, Kerlikowske K, Flowers CI, Yankaskas BC, Zhu W, Miglioretti DL. Cumulative probability of false-positive recall or biopsy recommendation after 10 years of screening mammography: a cohort study. *Ann Intern Med* [Internet]. 2011 Oct 18 [cited 2015 Sept 23];155(8):481-92. Available from: <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3209800>
[PubMed: PM22007042](#)
6. Zuley ML, Bandos AI, Abrams GS, Cohen C, Hakim CM, Sumkin JH, et al. Time to diagnosis and performance levels during repeat interpretations of digital breast tomosynthesis: preliminary observations. *Acad Radiol*. 2010 Apr;17(4):450-5.
[PubMed: PM20036584](#)

Review Articles

7. Health Quality Ontario. Cancer screening with digital mammography for women at average risk for breast cancer, magnetic resonance imaging (MRI) for women at high risk: an evidence-based analysis. *Ont Health Technol Assess Ser* [Internet]. 2010 [cited 2015 Sept 23];10(3):1-55. Available from:
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3377503>
[PubMed: PM23074406](#)