ePoster
(educational)

A-371

Continuous attention to positioning technique of the radiographers in breast cancer screening improves quality of mammograms.

I.E.M. van den Berg, M. Gerritsen
Dutch Expert Centre for Screening (LRCB), Nijmegen, The Netherlands



Learning Objectives

1. To understand the importance of image quality criteria.
2. To gain insight into the factors that contribute to positioning errors.
3. To identify effective strategies for positioning improvements.
4. To emphasize the role of audits in assessing and enhancing radiographers' knowledge and experience within the quality assurance chain of breast cancer screening.

Background

Although feedback from AI algorithms can be effective in supporting positioning, **human interaction** remains essential for achieving optimal positioning quality.

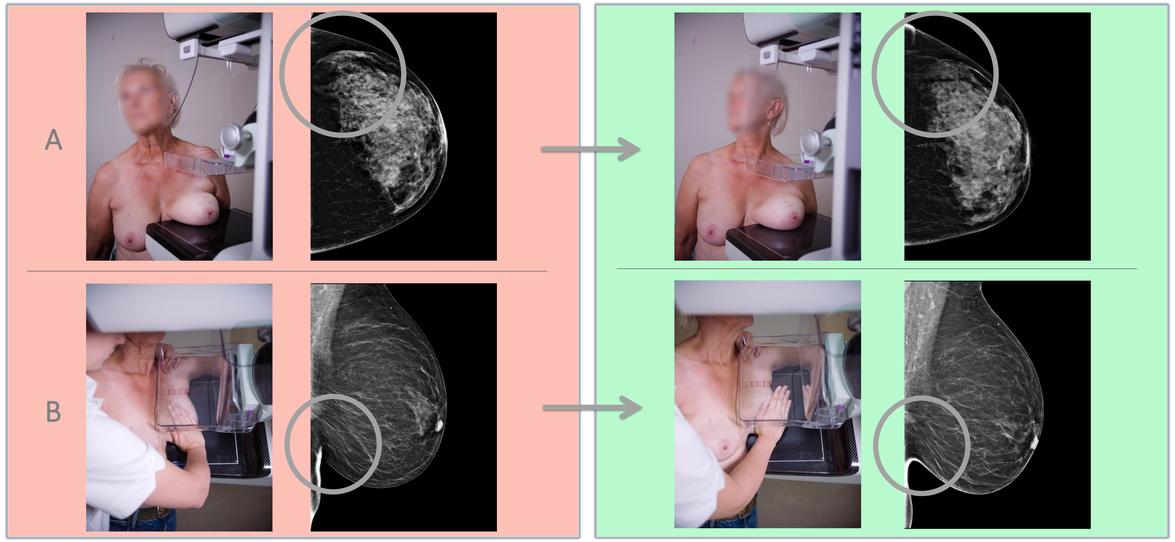
Within the Dutch breast cancer screening program:

- Positioning techniques and image quality are routinely assessed during audits based on **well-established quality criteria.**
- Knowledge of these criteria enables radiographers to **identify opportunities for improvement** which are crucial for maintaining high-quality standards.
- Regular feedback sessions involving radiographers, physicists, and radiologists promote collaboration and strengthen **understanding of each other's role and responsibility in the screening process.**

Content Organization

The Dutch breast cancer screening programme places strong emphasis on correct mammographic positioning.

- Screening outcomes and referral cases are discussed with both radiologists and radiographers.
- As part of **quality audits**, imaging examples are reviewed to **illustrate the impact of positioning, repeat examinations, and additional views.**
- Following the audit process, key learning points are communicated to individual radiographers. Where necessary, **targeted training and education** are provided to support immediate implementation in daily practice.



A: Missing the lateral side on the CC image B: Folds in the inframammary area

Deciding **independently** whether **additional or repeat images** are needed plays a key role in ensuring high-quality diagnostic imaging.

Take-Home messages

- The expertise and autonomy of radiographers are essential for high-quality screening.
- Regular audits and feedback help identify and reduce positioning errors, enabling informed recall decisions by radiologists.

References

Opleidingen@lrcb.nl
Wijchenseweg 101 | 6538 SW Nijmegen | The Netherlands

LRCB
dutch expert centre for screening