Accepted Manuscript

Title: Comparison of breast cancer detection and depiction between planar and rotating synthetic mammography generated from breast tomosynthesis

Authors: Alejandro Rodriguez-Ruiz, Susanne Lardenoije, Alex J.T. Wanders, Ioannis Sechopoulos, Ritse M. Mann

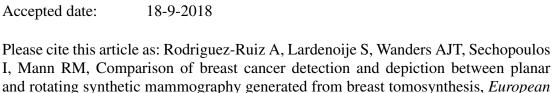
PII: S0720-048X(18)30326-7

DOI: https://doi.org/10.1016/j.ejrad.2018.09.022

Reference: EURR 8315

To appear in: European Journal of Radiology

Received date: 10-7-2018 Revised date: 17-9-2018 Accepted date: 18-9-2018



Journal of Radiology (2018), https://doi.org/10.1016/j.ejrad.2018.09.022

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



1

Comparison of breast cancer detection and depiction between planar and

rotating synthetic mammography generated from breast tomosynthesis

Alejandro Rodriguez-Ruiz¹, Susanne Lardenoije¹, Alex J.T.

Wanders²,

Sechopoulos^{1,3}, Ritse M. Mann¹

¹Department of Radiology and Nuclear Medicine, Radboud University Medical Center, PO

Box 9101, 6500 HB Nijmegen, the Netherlands

²Bevolkingsonderzoek Zuid-West Borstkanker, Laan 20, 2512 GB Den Haag, The

Netherlands

³Dutch Expert Centre for Screening (LRCB), Wijchenseweg 101, 6538 SW, Nijmegen, the

Netherlands

Corresponding author:

Alejandro Rodriguez-Ruiz

Working address: Department of Radiology and Nuclear Medicine, Radboud University

Medical Centre, Geert Grooteplein 10, 6525 GA, Post 766, Nijmegen, The Netherlands

E-mail address: Alejandro.RodriguezRuiz@radboudumc.nl

ABSTRACT

Purpose To compare breast cancer detection and depiction between planar synthetic

mammography (SM) and rotating synthetic mammography (RM) generated from digital

breast tomosynthesis (DBT).

Materials and Methods In a fully-crossed multi-reader multi-case (MRMC) study, three

radiologists retrospectively reviewed 190 cases (27 malignant, 31 benign, 132 normal),

Download English Version:

https://daneshyari.com/en/article/11025281

Download Persian Version:

https://daneshyari.com/article/11025281

<u>Daneshyari.com</u>