

BREAST TOMOSYNTHESIS CLINICAL CASE: CAPIO FUNDACIÓN JIMÉNEZ DÍAZ À MADRID, SPAIN

Patient Information

This 79-year old patient came in for a follow-up mammography following surgery in the left breast. Pathology results reported benign findings. The patient has a strong family history of breast cancer.

Imaging Findings

The 2D mammogram showed an architectural distortion at upper quadrant of the breast, determined to be related to previous surgery which resulted in benign findings. Review of the tomosynthesis slices of the CC view of the left breast shows a spiculated focal density at the external quadrant. The patient underwent breast ultrasound, which confirmed the presence of an irregular, 7mm nodule.

Diagnosis

This spiculated focal density seen in tomosynthesis of the left breast was confirmed by biopsy to be an Invasive ductal carcinoma.

Conclusion

This case illustrates that tomosynthesis in addition to 2D has greater sensitivity than 2D alone in dense breast tissue.

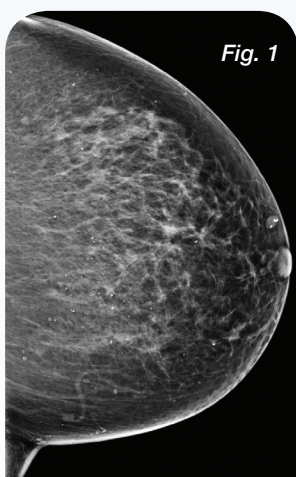


Figure 1. The 2D LCC image with no suspicious findings

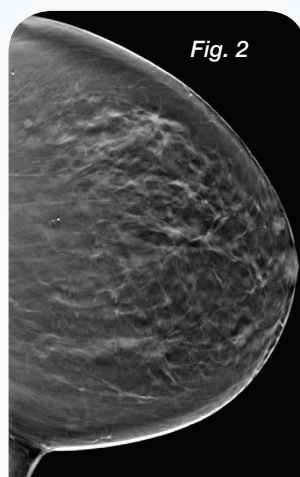


Figure 2. The 3D image clearly shows a spiculated mass in the LCC view

