

Breast Implant – Occult IDC on Mammo and Ultrasound Detected by BSGI

Eisenhower Medical Center, Rancho Mirage, CA

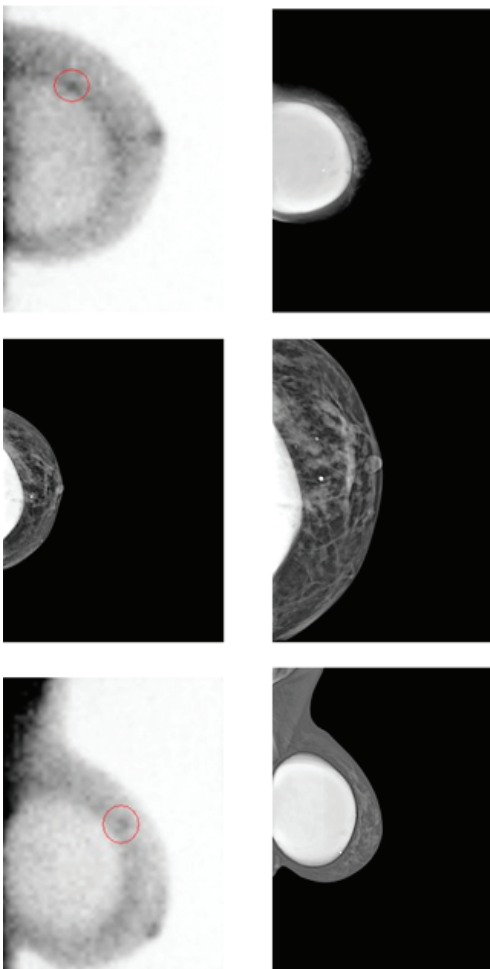
Breast-Specific Gamma Imaging with the Dilon 6800

Clinical History

64 year-old with sub-glandular breast implants in for screening mammogram. Patient reported a palpable mass in the left breast.

Mammogram

Heterogeneous dense breast tissue. No other abnormalities.



Ultrasound

Left breast, benign appearing 5mm cyst at the 6 o'clock position consistent with sebaceous cyst and retroareolar abnormality consistent with ductal ectasia, benign. Neither area corresponded to palpable mass. Suggested BSGI for further evaluation.

BSGI IMPACT AND PATIENT DIAGNOSIS

The right breast was negative with no abnormal focal tracer accumulation. BSGI was also negative in the area of the palpable mass, but a focal area of moderate increased uptake measuring 9mm in size was noted in the upper outer quadrant of the left breast.

Second look ultrasound of this area revealed a 9 x 4 x 6mm hypoechoic mass with an echogenic boundary. Color flow imaging demonstrated no vascularity. US guided biopsy conducted.

Patient case histories courtesy of Eisenhower Medical Center, Rancho Mirage, CA.

Pathology from left breast ultrasound guided biopsy showed an invasive ductal carcinoma of low to intermediate grade.

