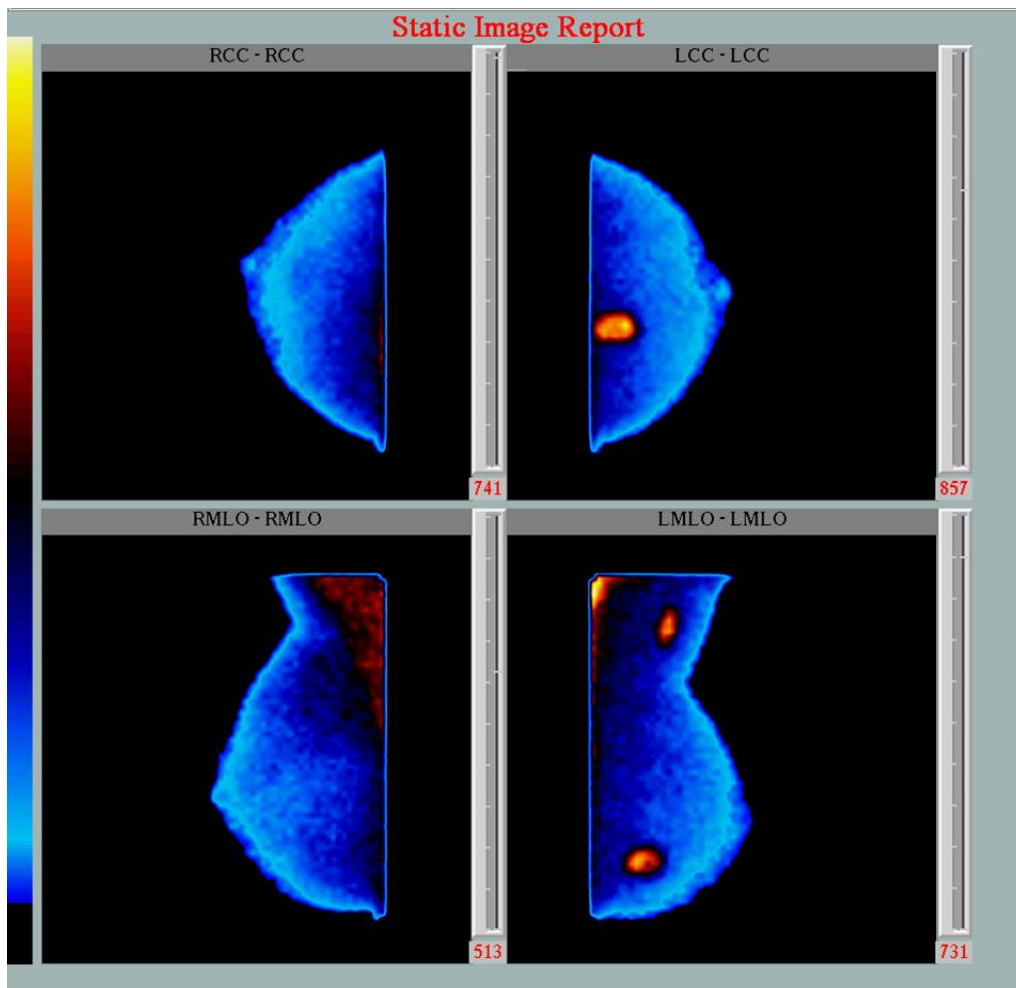


First Hill Diagnostic Imaging



BSGI Case Study: Left infiltrating ductal carcinoma & axillary metastasis.

History: A 39 year-old woman presented with a palpable left breast mass, visible skin dimpling and a firm left axillary lymph node. Ultrasound guided core biopsies of both lesions yielded high-grade invasive ductal carcinoma. Benign appearing masses, consistent with fibroadenomas, were identified in both the right and left breasts on breast MR and ultrasound.

BSGI findings: Following injection of 25.5 mCi of Tc-99m sestamibi, there is intense uptake of the radioisotope in the lower inner quadrant of the left breast, seen on CC and MLO projections, corresponding to the palpable mass. Additionally, abnormal uptake is apparent in the biopsy proven left axillary level 1 lymph node. No additional malignant-appearing abnormalities are seen in either the remainder of the left breast or the right breast. Normal pectoralis muscle activity is seen posteriorly on the right. The benign fibroadenomas do not take up sestamibi.