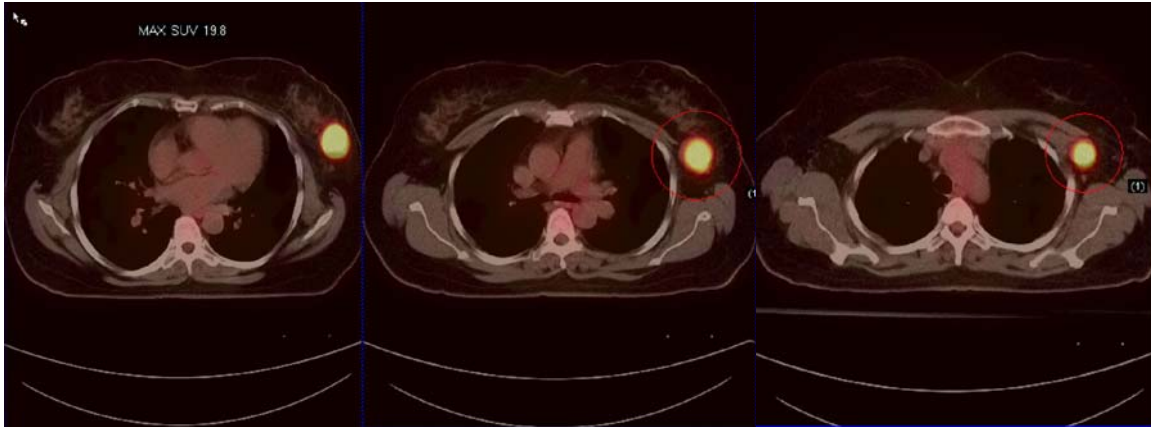


PETIMAGING

INTEGRATED PET/CT SCANNING CASE STUDY N^o 66

Staging Breast Cancer



A patient with two palpable left breast masses is sent for a bilateral mammogram which confirms the presence of the two masses. Multiple 12-13 mm nodules are noted in the upper outer quadrant of the breast. The same two masses are also identified on ultrasound as being “sufficiently suspicious that a biopsy is warranted”. PET/CT ordered for staging and to rule out metastatic disease reveals a mass in the lateral left breast with an SUV of 19.8 and a mass in the tail of the left breast with an SUV of 8.4. In the anterior left axillary region there is a third soft tissue mass with an SUV of 10. As well, there are several subcentimeter lymph nodes identified in the left axillary region with mildly increased uptake. No metastatic disease is identified outside of the axilla and the left breast.