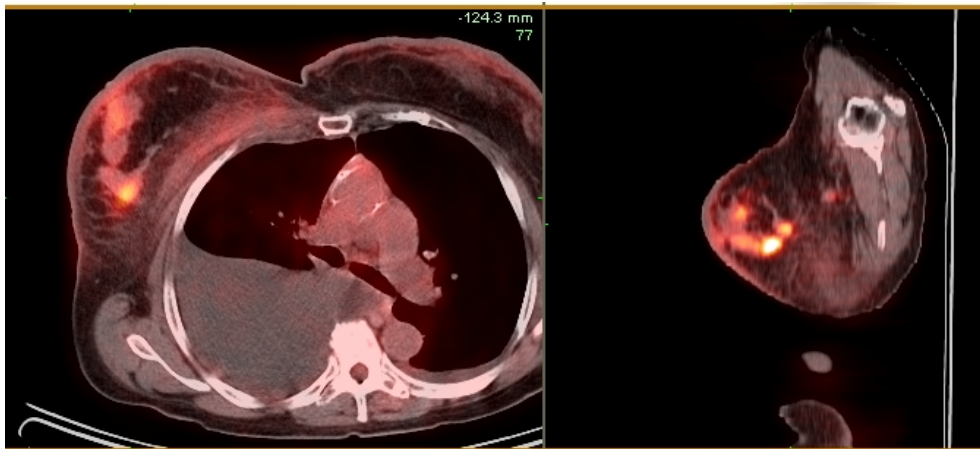


# PETIMAGING

## INTEGRATED PET/CT SCANNING CASE STUDY N<sup>o</sup> 79

### Multifocal Breast Cancer

A 74 year old woman is diagnosed with moderately differentiated invasive ductal carcinoma of the right breast. Breast MRI reveals abnormal enhancement in the right breast, but is equivocal for chest wall involvement. A PET/CT, ordered pre-operatively to stage the cancer, reveals multiple large, intensely hypermetabolic foci in the right breast parenchyma consistent with multifocal breast carcinoma. Hypermetabolic uptake is identified in the pectoralis major muscle and in several lymph nodes in the right axilla and the mediastinum.



In addition, metastatic disease is discovered in the bones.

