

PETIMAGING

INTEGRATED PET/CT SCANNING CASE STUDY N^o 80

Post Surgical Staging of Breast Cancer

A 56 year old woman is diagnosed with breast cancer in November. In January, a right mastectomy with axillary lymph node dissection reveals an ER⁺/PR⁺ HER2⁺ multifocal, nuclear grade 3, ductal carcinoma with lymphangitic invasion and 21/21 positive lymph nodes. Bone scan is equivocal for bone metastases. PET/CT ordered to stage the cancer reveals multiple subcentimeter hypermetabolic lymph nodes in the supraclavicular area with a max SUV of 6.2. No bone metastases are identified. Based on this information, the patient begins aggressive systemic therapy.

