

Supplementary material for Koolen BB, et al. Accuracy of 18F-FDG PET/CT for primary tumor visualization and staging in T1 breast cancer. *Acta Oncologica* 2013;53:50–57.

Supplementary Table I. Comparison of axillary lymph node status as assessed with histopathology and FDG PET/CT (intense uptake, score 2–3) in 44 evaluable patients. Axillary evaluation was not possible in 18 (29%) patients because an SLNB was performed prior to the PET/CT.

		Histopathology		Total
		Positive	Negative	
PET/CT	Positive	19	0	19
	Negative	7	18	25
	Total	26	18	44

Sensitivity, specificity, positive predictive value, negative predictive value, and accuracy of intense FDG-avid axillary nodes in the detection of lymph node metastases: 73% [95% confidence interval (CI) 0.52–0.88, 19/26], 100% (95% CI 0.81–1.00, 18/18), 100% (95% CI 0.82–1.00, 19/19), 72% (95% CI 0.51–0.88, 18/25), and 84% (95% CI 0.70–0.93, 37/44), respectively.

Supplementary Table II. Additional lesions seen with PET/CT outside ipsilateral breast and locoregional lymph nodes in 62 patients.

	Intended treatment	Location	Diagnosis PET/CT	Seen with standard staging modalities	Additional diagnostic procedure	Final diagnosis	PET/CT FP
1	PAPBI	Contralateral breast	Intramammary node – possibly malignant	No	Histology	Reactive gland	Yes
		Contralateral axilla	Axillary node – possibly malignant	No	Histology	Reactive gland	Yes
2	PAPBI	Contralateral breast	Probably malignant tumor contralateral	Yes – US	Histology	DCIS grade 1	No
3	PAPBI	Contralateral breast	Probably malignant tumor contralateral	Yes – MRI	Histology	Invasive ductal carcinoma	No
		Colon	Possibly malignant	No	Histology	Villous adenoma	No
4	PAPBI	Thyroid gland	Benign multinodular struma	No	Imaging	Benign struma	No
5	PAPBI	Thyroid gland	Thyroid cyst, probably benign	No	Histology	Thyroid cyst	No
6	NAC	Thyroid gland	Adenoma, possibly malignant	No	Histology	Benign hyperplasia	Yes
7	PAPBI	Mediastinal	Benign intrathoracic struma	No	Imaging	Benign struma	No
8	PAPBI	Colon	Probably polyp	No	None		
9	NAC	Colon	Possibly malignant	No	Histology	Villous adenoma	No
10	NAC	Lung	Probably metastasis	No	Imaging	Metastasis highly probable	No

DCIS, ductal carcinoma in situ; FP, false positive; MRI, magnetic resonance imaging; NAC, neoadjuvant chemotherapy; PAPBI, preoperative accelerated partial breast irradiation; PET/CT, positron emission tomography with computed tomography; US, ultrasound.