

Supplemental Tables

Incidental Radiologic Findings at Breast Cancer Diagnosis and Likelihood of Disease Recurrence

Breast Cancer Research and Treatment

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Online Resource 1. Table of additional patient and clinical characteristics.

Characteristic (n=340)	No. (%)
Stage	
All Stage II	244 (71.8)
Clinical II	50 (14.7)
IIA	140 (41.2)
IIB	54 (15.9)
All Stage III	96 (28.2)
Clinical III	39 (11.5)
IIIA	39 (11.5)
IIIB	2 (0.6)
IIIC	16 (4.7)
Histopathology	
Ductal	241 (70.9)
Lobular	48 (14.1)
Mixed	22 (6.5)
Other	29 (12.1)
Neoadjuvant Chemotherapy	76 (22.4)
Neoadjuvant Endocrine Therapy	6 (1.8)
Treatment summary (n=321)^a	
Chemotherapy	
Received	264 (82.2)
Declined	24 (7.5)
Not recommended	25 (7.8)
Unknown	8 (2.5)
Endocrine Therapy	
Received	203 (63.2)
Declined	15 (4.7)
Not a candidate	85 (26.5)
Unknown	18 (5.6)
Herceptin	
Received	58 (18.1)
Declined	3 (0.9)
Not recommended	256 (79.8)
Unknown	4 (1.2)
Radiation	
Received	233 (72.6)
Declined	15 (4.7)
Not recommended	60 (18.7)
Unknown	13 (4.0)

ER, estrogen receptor. PR, progesterone receptor.

^a Treatment not recorded for 19 patients with metastatic disease at diagnosis.

Online Resource 2. Table of specific types of incidental findings.

CT Chest Incidental Findings (N=152)	No. (%)	Determined to Represent Metastatic Disease, No. (%)
Calcified Lung Nodules ^a	16 (10.5)	-
Single Lung Nodule <5mm	23 (15.1)	-
Single Lung Nodule >5mm	3 (2.0)	-
Multiple Nodules <5mm	32 (21.1)	2 (6.3)
Multiple Nodules >5mm	15 (9.9)	8 (53.3)
Pleural Thickening	6 (3.9)	-
Pleural Effusion	3 (2.0)	2 (66.7)
Borderline Lymph Nodes	11 (7.2)	1 (9.1)
Enlarged Lymph Nodes	8 (5.3)	6 (75.0)
Sclerotic Bone Lesion	10 (6.6)	3 (30.0)
Lytic Bone Lesion	8 (5.3)	8 (100)
Thyroid Abnormality	6 (4.0)	-
Other	5 (3.3)	-
CT Abdomen/Pelvis Incidental Findings (N=153)		
Liver Lesions <1cm	33 (21.6)	-
Liver Lesions >1cm	24 (15.7)	6 (25.0)
Borderline Lymph Nodes	9 (5.9)	-
Enlarged Lymph Nodes	2 (1.3)	-
Adrenal Nodules	10 (6.5)	-
Renal Lesions	26 (17.0)	-
Simple Renal Cyst ^a	4 (2.6)	-
Splenic Lesions	5 (3.3)	1 (20.0)
Adnexal Lesion	25 (16.3)	1 (4.0)
Sclerotic Bone Lesion	16 (10.5)	3 (18.8)
Lytic Bone Lesion	6 (3.9)	6 (100)
Other	23 (15.0)	-
Bone Scan Incidental Findings (N=140)		
Degenerative Changes ^a	96 (68.6)	-
Abnormal Uptake Single Site	24 (17.1)	3 (12.5)
Abnormal Uptake Multiple Sites	15 (10.7)	6 (40.0)
Other	4 (2.3)	-
Sites of Abnormal Uptake on Bone Scan		
Skull/Head	9 (6.4)	-
Spine	8 (5.7)	1 (12.5)
Ribs/Sternum	9 (6.4)	1 (11.1)
Shoulder/Humerus	2 (1.4)	-
Pelvis/Hip/Femur	10 (7.1)	3 (30.0)
Knee	1 (0.7)	-
Ankle/Heel	2 (1.4)	-

Sites of Abnormal Uptake on Bone Scan	No. (%)	Determined to Represent Metastatic Disease, No. (%)
Widespread	4 (2.9)	4 (100)
Unspecified	2 (1.4)	-
PET-CT Sites of Abnormal FDG-Avidity (N=15)		
Suprasternal	1 (6.7)	-
Adnexa	3 (20.0)	-
Liver	4 (26.7)	2 (50.0)
Portocaval Lymph Nodes	1 (6.7)	1 (100)
Spine	1 (6.7)	1 (100)
Thyroid	2 (13.3)	-
Pulmonary Nodules	1 (6.7)	1 (100)
Colon/Rectum	1 (6.7)	-
Iliac Crest	1 (6.7)	1 (100)
Mediastinal Lymph Nodes	4 (26.7)	2 (50.0)

Percentages do not total 100%. More than one type of incidental finding can be present on each imaging study, and incidental findings were not present on all scans. Findings related to the primary breast mass or axillary lymph nodes were not recorded.

^a Findings interpreted as calcified lung nodules, simple renal cysts, and degenerative changes were considered to be benign and were categorized as normal for the purposes of this study. Findings interpreted as dental disease were not recorded.

Online Resource 3. Table of follow-up imaging and procedures for incidental findings.

Imaging Modality	No.
CT Chest	68
CT Abdomen/Pelvis	37
CT Head	1
PET-CT	9
US Abdomen or Retroperitoneum	14
Any X-Ray study	11
MR Abdomen	7
MR Spine	2
MR Pelvis	2
MR Extremity	1
MR Brain	1
Procedure	
CT Guided Bone Biopsy	5
US Guided Liver Biopsy	4
CT Guided Lung Biopsy	1
Parotid Biopsy	1
Laparoscopic Salpingo-oophorectomy	1

CT, computed tomography. MR, magnetic resonance. PET, positron emission tomography. US, ultrasound.