

TABLE S1: Chart Review of Imaging Examinations Performed Before or in the Absence of Prostate-Specific Antigen (PSA) Level Elevations

Reason for Imaging	No. of Patients (<i>n</i> = 85)	No. of Examinations (<i>n</i> = 164)
Clinical suspicion of recurrence	34	50
Bone pain	29	40
Biochemical recurrence or abnormal digital rectal examination	5	10
Mislabeled indication	10	16
Related to another cancer	7	23
Treatment-related examinations	20	35
Restaging before another treatment type	10	20
Checking for radiotherapy seed migration	8	13
Repeat biopsy	1	1
Check for enlarged lymph nodes and kidneys after starting androgen deprivation therapy	1	1
Clarification of previous examinations	4	4
Whole-body bone scan suspicious for metastasis	2	2
Whole-body bone scan negative, but checking lymph nodes anyway	1	1
Previous CT indicated metastasis	1	1
Posttreatment because of scheduling issues	1	1
Other reasons	9	19
High tumor grade prostate cancer at diagnosis	2	11
Testicular mass	1	2
Positive Babinski sign	1	1
Disoriented	1	1
Voiding issues	1	1
Hematuria	2	2
Abdominal fullness	1	1
No reason given	13	17

Note—Numbers in columns do not match totals because more than one reason could be given for each patient or examination.

TABLE S2: Types of Examinations Performed on Patients With Potential Cancer Recurrence

Imaging Modality, Anatomic Location	All Patients	Prostate Cancer Only	Other Cancer
No. of patients	90	64	26
No. of examinations	241	160	81
Whole-body bone scan	76	51	25
Bone imaging SPECT	12	9	3
CT			
Pelvis	3	3	0
Abdomen and pelvis	40	30	10
Spine	1	0	1
Chest	7	5	2
Urogram	3	1	2
MRI			
Abdomen	1	0	1
Abdomen and pelvis	1	1	0
Pelvis (endorectal)	32	30	2
Pelvis	4	1	3
Spine	5	2	3
X-ray			
Pelvis	6	2	4
Spine	17	6	11
Chest	14	5	9
Ultrasound			
Transrectal	12	8	4
Pelvis	1	0	1
ProstaScint (Cytogen)	3	3	0
PET	3	3	0