

Table E1. Lesions by Median Reader Score, Grouped Pathologic Score, and Location in the Prostate

Sequence and Median Reader Score	PZ		TZ		PZ		TZ	
	No Cancer	Cancer	No Cancer	Cancer	Low-risk Cancer	Clinically Significant Cancer	Low-risk Cancer	Clinically Significant Cancer
T2 weighted								
2	10	2	0	0	12	0	12	0
3	30	6	10	3	35	1	35	1
4	14	34	8	8	38	10	38	10
5	2	26	0	9	8	20	8	20
DWI								
≤3	15	1	3	0				
4	11	8	5	1	33*	2*	33*	2*
5	30	59	10	19	60	29	60	29
DCE								
0	9	2	1	0	11	0	11	0
1	47	66	17	20	82	31	82	31

Note.—Low-risk cancer is defined as a Gleason score less than or equal to 3+4, clinically significant cancer is defined as a Gleason score greater than or equal to 4+3.

* Data are for lesions with scores ≤ 4.

Table E2. Distribution Scores in the In-House–Developed Scoring System by Reader

Sequence and Score	Reader 1	Reader 2	Reader 3	Reader 4	Reader 5
T2 weighted, PZ					

0	5	4	0	2	7
1	119	120	124	122	117
T2 weighted, TZ					
0	2	2	0	0	0
1	36	36	38	38	38
DWI					
0	7	9	10	7	12
1	155	153	152	155	150
DCE					
0	23	13	10	29	20
1	139	149	152	133	142
Overall suspicion					
1	23	16	8	22	21
2	104	113	112	106	96
3	35	33	42	34	45
Extracapsular extension					
0	127	128	120	125	118
1	35	34	42	37	44

Note.—Data are number of lesions.

Table E3. Distribution of Each Score in the PI-RADS for Each Reader

Sequence and PI-RADS Score	Reader 1	Reader 2	Reader 3	Reader 4	Reader 5
T2-weighted, PZ					
1	2	0	0	1	2
2	16	22	8	24	22
3	35	23	33	24	29
4	50	47	49	47	38
5	21	32	34	28	33
T2-weighted, TZ					
1	0	1	0	1	0

2	2	4	1	5	0
3	8	10	13	10	13
4	17	14	17	14	14
5	11	9	7	8	11
ADC					
1	1	5	10	4	0
2	4	9	0	8	13
3	8	21	6	22	3
4	37	14	21	33	26
5	112	113	125	95	120
0	22	13	9	28	19
1	140	149	153	134	143
Suspicion					
1	0	3	3	4	0
2	1	5	4	5	5
3	10	15	3	18	12
4	51	50	48	48	43
5	100	89	104	87	102

Note.—Data are number of lesions.

Table E4. Pairwise Interreader κ Statistic of PI-RADS and the In-House–Developed Scoring System

Scoring System and Sequence	Reader Pairs										Mean κ Score*
	1 and 2	1 and 3	1 and 4	1 and 5	2 and 3	2 and 4	2 and 5	3 and 4	3 and 5	4 and 5	
PI-RADS version 2											
T2 weighted, PZ	0.47 (0.05)	0.50 (0.05)	0.41 (0.06)	0.41 (0.05)	0.57 (0.05)	0.49 (0.06)	0.43 (0.06)	0.49 (0.06)	0.50 (0.06)	0.45 (0.06)	0.47
T2 weighted, TZ	0.33 (0.11)	0.41 (0.12)	0.56 (0.11)	0.46 (0.12)	0.36 (0.11)	0.21 (0.12)	0.40 (0.11)	0.40 (0.11)	0.25 (0.12)	0.34 (0.11)	0.37
DWI	0.40 (0.06)	0.46 (0.06)	0.36 (0.06)	0.48 (0.07)	0.42 (0.06)	0.41 (0.05)	0.41 (0.05)	0.34 (0.05)	0.42 (0.06)	0.39 (0.05)	0.41
DCE	0.52 (0.11)	0.54 (0.11)	0.48 (0.09)	0.47 (0.11)	0.61 (0.14)	0.26 (0.10)	0.52 (0.11)	0.38 (0.10)	0.54 (0.12)	0.43 (0.10)	0.48
Overall suspicion	0.46 (0.05)	0.47 (0.06)	0.42 (0.06)	0.53 (0.06)	0.48 (0.06)	0.45 (0.05)	0.47 (0.05)	0.40 (0.05)	0.48 (0.05)	0.46 (0.06)	0.46
In-house–developed system											

T2 weighted, PZ	0.19 (0.19)	0.00 (0)	0.27 (0.23)	0.48 (0.20)	0.00 (0)	-0.02 (0.01)	0.34 (0.19)	0.00 (0)	0.00 (0)	0.20 (0.18)	0.15
T2 weighted, TZ	0.47 (0.35)	0.00 (0)	0.00 (0)	0.00 (0)	0.00 (0)	0.00 (0)	0.00 (0)	NA	NA	NA	0.07
DWI	0.47 (0.16)	0.44 (0.16)	0.70 (0.16)	0.39 (0.14)	0.61 (0.14)	0.74 (0.14)	0.64 (0.12)	0.57 (0.15)	0.61 (0.13)	0.50 (0.14)	0.57
DCE	0.50 (0.10)	0.50 (0.11)	0.31 (0.09)	0.54 (0.09)	0.58 (0.14)	0.20 (0.08)	0.43 (0.12)	0.24 (0.09)	0.49 (0.12)	0.31 (0.10)	0.41
Overall suspicion	0.61 (0.06)	0.49 (0.07)	0.51 (0.06)	0.60 (0.06)	0.66 (0.06)	0.49 (0.07)	0.55 (0.06)	0.57 (0.06)	0.54 (0.06)	0.49 (0.06)	0.55
Extracapsular extension	0.76 (0.06)	0.61 (0.07)	0.68 (0.07)	0.75 (0.06)	0.73 (0.07)	0.69 (0.07)	0.70 (0.07)	0.68 (0.07)	0.65 (0.07)	0.69 (0.06)	0.69

Note.—Data are interreader κ statistic, with standard error in parentheses. NA = applicable.

* Mean κ score of all possible pairs of readers.