10.1148/radiol.2016160220

Table E1. MR Imaging Sequence Parameters

Sequence	Pulse Sequence	Repetition time/echo time (msec)	Flip Angle (degrees)	Field of View (mm)	Section Thickness (mm)	Matrix	No. of Signals Acquired	Other Parameters
Axial three-dimensional T1-weighted fast spoiled gradient-recalled echo	. . .	5.0/2.4–2.5	. . .	240	4.2	192 × 128	2	No. of sections, 64
Axial T2 weighted	Cube	2400/135.9–142.9	variable	180	2.0	256 × 256	2	Echo train length, 100; no. of sections, 64
Axial T1-weighted Dixon	IDEAL	4.0/1.7	. . .	500	3.0	256 × 256		. . .
Axial diffusion weighted	rFOV EPI	4700/69.7–87.7	. . .	200 × 100	3.0	128 × 64	6	b = 0, 600 sec/mm^2; six directions
Axial diffusion weighted	rFOV EPI	4700/69.7–87.7	. . .	260 × 130	3.0	128 × 64	7	b = 0, 1350 sec/mm^2; six directions
Unenhanced axial T1-weighted	DISCO	3.8/1.2	5	260	3.0	192 × 128	1	3.7; no. of images, 64
Gadolinium-enhanced T1-weighted with dynamic contrast enhancement	DISCO	3.8/1.2	10	260	3.0	192 × 128	1	3.7; no. of images, 64
Hydrogen 1 MR spectroscopy	. . .	2000	. . .	85 × 27–65 × 27	3.0	16 × 10–12 × 10	1	. . .

Note.—Cube = three-dimensional fast spin-echo with variable flip angle, DISCO = differential subsampling with cartesian ordering, EPI = echo-planar imaging, IDEAL = iterative decomposition of water and fat with echo asymmetry and least-squares estimation, rFOV = rectangular field of view.

Table E2. Correlations between PET/MR Imaging Parameters and Clinical-Pathologic Characteristics

Clinical-Pathologic Characteristics	Average $K1$ (min^{-1})	Maximum $K1$ (min^{-1})	SUV_{avg}	SUV_{max}	PI-RADS Version 2 Score
Age (y)	0.04	–0.14	–0.22	0.22	–0.62*
Serum PSA (ng/mL)†	0.36	0.15	0.22	0.71*	0.35
GS at biopsy	–0.09	0.02	–0.12	–0.12	–0.08
GS after surgery	–0.13	0.26	–0.13	0.10	0.45
Pathologic tumor volume	–0.09	0.19	0.13	0.29	0.81‡
Percentage of tumor cells with GS > 3	–0.46	–0.22	–0.44	–0.12	0.59*
Overall pathologic stage	–0.03	0.23	0.02	0.59*	0.19
Presurgical CAPRA score	–0.27	0.14	–0.09	0.69*	0.36
Postsurgical CAPRA score	–0.02	0.40	0.03	0.72‡	0.58*

Note.—Data were acquired by using the Spearman rank correlation coefficient, ρ.

* $P < .05$.

† To convert to Systéme International units (micrograms per liter), multiply by 1.

‡ $P < .01$.