

On-line Table 1: Patient, lesion characteristics, clinical outcome, and DSC perfusion imaging results												
MRI No.	Lesion No.	Patient No.	Sex/Age (yr)	Primary Site	Lesion Location	Diagnosis Confirmation	Patient Status	ROI (mL)	Mean rCBV	Mean rPH	Mean PSR	Final Diagnosis
1	1	1	F/49	Breast*	Fr	Resection with brachy at 8.7 m	Died 37.9 m	2.88	1.38	1.53	60.63	R
2	2	2	F/36	Breast*	Cb	Resection with brachy at 8.6 m	Alive 38.5 m	1.02	1.77	1.03	66.06	R
3	2	2	F/36	Breast*	Cb	Resection with brachy at 8.6 m	Alive 38.5 m	1.39	1.80	1.41	55.34	R
4	3	3	F/43	Breast*	Cb	Resection at 21.9 m	Died 39.4 m	1.98	2.54	1.17	48.48	R
5	4	4	F/53	Lung*	Fr	Resection with brachy at 9.0 m	Lost 14.0 m	1.13	3.29	1.01	70.06	R
6	5	5	F/54	Lung	FrP	Progression lead to death	Died 10.9 m	2.78	1.62	1.09	52.55	R
7	5	5	F/54	Lung	FrP	Progression lead to death	Died 10.9 m	1.23	3.37	1.69	53.63	R
8	6	6	F/68	Lung*	Fr	Autopsy 21.7 m after 1st GK	Died 21.7 m	0.76	2.68	2.66	57.34	R
9	7	6	F/68	Lung*	P	Autopsy 7.2 m after 2nd GK	Died 7.2 m	0.36	1.56	1.60	66.38	R
10	8	7	M/57	Lung*	TmO	Resection at 4.6 m	Died 26.8 m	2.32	1.72	1.94	64.16	R
11	9	8	M/59	Lung	Fr	Progression lead to death	Died 28.4 m	1.71	2.85	2.18	79.01	R
12	10	9	M/53	Lung*	Fr	Resection at 8.7 m	Died 11.9 m	9.18	1.52	1.36	64.38	R
13	11	10	M/54	Lung*	Fr	Resection at 8.9 m	Died 11.1 m	1.07	1.80	1.33	68.51	R
14	12	11	M/59	Lung*	O	Resection at 10.1 m	Died 22.6 m	7.24	1.55	1.30	55.28	R
15	13	12	M/68	Lung*	Cb	Resection with brachy at 16.1 m	Died 33.4 m	2.39	2.61	0.39	52.17	R
16	14	13	M/69	Lung*	O	Resection at 17.9 m	Died 32.6 m	3.97	4.28	2.29	54.81	R
17	14	13	M/69	Lung*	O	Resection at 24.6 m	Died 32.6 m	8.52	4.52	1.82	35.76	R
18	15	14	F/57	Lung*	Tm	Resection with brachy at 10.6 m	Died 17.3 m	16.4	1.55	0.80	59.09	R
19	16	15	F/59	Lung*	O	Resection with brachy at 12.5 m	Alive 44.1 m	4.49	3.91	1.84	48.78	R
20	17	16	F/58	Breast*	Fr	Resection with brachy at 7.6 m	Died 31.3 m	1.22	1.55	1.81	75.89	R
21	18	17	F/56	Lung*	P	Resection at 6.9 m	Died 9.2 m	0.38	2.53	2.60	63.37	R
22	19	18	M/64	Lung*	O	Resection at 4.2 m	Alive 32.9 m	2.00	1.59	1.74	72.84	R
23	20	19	F/50	Breast*	Fr	Resection at 52.9 m	Alive 68.7 m	0.84	2.30	1.67	64.94	R
24	21	20	F/44	Breast	O	Reduced enhancement at 19.5 m	Alive 28.9 m	0.56	1.18	1.51	85.71	RN
25	22	21	M/72	Sarcoma*	O	Resection at 2.5 m	Died 9.9 m	6.06	0.67	0.24	81.41	RN
26	23	22	F/58	Lung	O	Improved, new mets progressed	Died 15.7 m	0.57	0.60	0.74	87.10	RN
27	24	23	F/43	Breast	Fr	Stable enhancement at 9 m	Died 11.9 m	2.42	1.53	1.67	86.54	RN
28	25	24	F/47	Breast*	Cb	Resection at 12.6 m	Alive 39.9 m	0.71	3.15	1.08	79.01	RN
29	26	25	M/60	Kidney	O	Reduced enhancement at 16.5 m	Died 47.2 m	0.48	0.97	0.92	86.67	RN
30	27	17	F/56	Lung*	PrO	Resection at 6.9 m	Died 9.2 m	4.33	3.17	0.63	86.75	RN
31	28	18	M/66	Lung*	Tm	Resection at 4.3 m	Alive 9.1 m	6.17	0.97	0.93	83.96	RN
32	29	26	F/69	Lung	Fr	Reduced enhancement at 19.3 m	Alive 32.7 m	0.64	1.49	0.80	76.67	RN
33	29	26	F/69	Lung	Fr	Reduced enhancement at 19.3 m	Alive 32.7 m	0.42	0.97	0.96	80.49	RN
34	30	27	M/56	Kidney	Tm	Reduced enhancement at 11.5 m	Alive 15.7 m	1.21	2.26	1.92	82.35	RN

**Note:**—MRI indicates MR imaging; Fr, frontal; Tm, temporal; O, occipital; P, parietal; FrP, frontal-parietal; TmO, temporal-occipital; PrO, parietal-occipital; Cb, cerebellum; m, months; ROI, region of interest; R, recurrent tumor; RN, radiation necrosis; brachy, brachytherapy; GK, gamma knife; mets, metastasis; DSC, dynamic susceptibility-weighted contrast-enhanced; rCBV, relative cerebral blood volume; rPH, relative peak height; PSR, percentage of signal-intensity recovery.

\*Final diagnosis was provided histologically by surgical resection or stereotactic biopsy.