

On-line Table 1: Summary of patient demographic and clinical information

Subject	Age (yr)/ Sex	Primary Tumor (grade)	RT Type, Dose, Timing (completed prior to imaging, mo)	Steroids at Imaging
A	31/M	AA (III)	60 Gy 3D conformal (9) 25 Gy salvage IMRT (2)	Yes
B	58/M	GBM (IV)	54 Gy 3D conformal (22) 12 Gy gamma knife (5)	Yes
C	36/M	GBM (IV)	60 Gy IMRT (3)	None
D	56/M	GBM (IV)	60 Gy IMRT (23) 30 Gy IMRT (10)	Yes
E	45/F	GBM (IV)	60 Gy 3D conformal (26)	None
F	44/M	GBM (IV)	59.4 Gy IMRT (12)	None
G	50/M	GBM (IV)	37.5 Gy whole brain RT (8) 30 Gy IMRT (5)	Yes
H*	38/M	Ana. GG (III)	59.4 Gy IMRT (28.5) 12 Gy gamma knife (15.5)	Yes
I	59/M	GBM (IV)	59.4 Gy IMRT (13)	None
J	60/F	Ana. ODG (III)	10 Gy gamma knife (12)	None
K	62/M	GBM (IV)	54 Gy 3D conformal (12)	None
L*	38/M	Ana. GG (III)	54 Gy IMRT (24) 12 Gy gamma knife (11)	None
M	43/M	GBM (IV)	60 Gy 3D conformal (8) 10 Gy gamma knife (7)	Yes

Note:—IMRT indicates intensity-modulated radiation therapy; AA, anaplastic astrocytoma; GBM, glioblastoma multiforme; Ana. GG, anaplastic ganglioglioma; Ana. ODG, anaplastic oligodendroglioma; RT, radiation therapy.

* Denotes a single patient who underwent 2 separate surgeries 4.5 months apart.

On-line Table 2: rCBV versus specimen histopathology

Subject	Tissue Specimen	Histopathology (T or R)	rCBV Value
A	1	T	0.55
	2	T	1.17
	3	T	0.6
	4	T	0.76
B	1	T	1.52
	2	T	1.12
C	1	T	4.65
	2	T	1.38
	3	R	0.71
D	1	T	2.65
	2	T	1.27
	3	T	1.16
	4	R	0.63
	5	R	0.63
E	1	T	1.01
	2	T	0.82
	3	T	2
F	1	T	1.16
	2	T	1.73
G	1	T	1.13
H	1	T	2.13
	2	T	0.87
	3	R	0.64
	4	R	0.7
I	1	T	0.87
	2	T	1.08
	3	T	1.58
	4	T	0.78
J	1	T	3.44
	2	R	0.63
K	1	R	0.51
	2	R	0.46
L	1	R	0.53
	2	R	0.62
	3	R	0.5
	4	R	0.51
M	1	R	0.47
	2	R	0.21
	3	R	0.33
	4	R	0.55

Note:—T indicates tumor; R, posttreatment radiation effect.