On-line Table 1: Kurtosis and conventional diffusion metric values in the solid region of the tumor and the contralateral NAWM[a]

Region	MK	AK	RK	FA	MD	ADC
LGMs	0.88 (0.81~0.94)	0.80 (0.72~0.85)	0.93 (0.85~0.99)	0.20 (0.14~0.30)	1.44 (1.14~1.55)	0.73 (0.67~0.82)
HGMs	1.02 (0.91~1.08)	0.90 (0.81~0.96)	1.08 (0.97~1.16)	0.19 (0.16~0.29)	1.32 (1.12~1.44)	0.63 (0.60~0.71)
NAWM	1.01 (0.98~1.05)	0.85 (0.83~0.87)	1.10 (1.08~1.15)	0.36 (0.35~0.38)	1.42 (1.14~1.54)	0.60 (0.59~0.63)
P value	.001	.001	.001	.925	.116	.003

Note:—NAWM indicates normal-appearing white matter.
[a] Data are medians, with interquartile ranges in parentheses.

On-line Table 2: Interobserver variability in measurements of meningiomas

Region/Metrics	Intraclass Correlation Coefficient, 95% CI for Interobserver
Solid region of the tumor	
MK	0.983, 0.969–0.990
AK	0.979, 0.963–0.989
RK	0.957, 0.923–0.976
MD	0.984, 0.971–0.991
FA	0.993, 0.987–0.996
ADC	0.801, 0.603–0.892
NAWM	
MK	0.986, 0.975–0.992
AK	0.929, 0.873–0.961
RK	0.907, 0.833–0.948
MD	0.947, 0.905–0.971
FA	0.827, 0.688–0.904
ADC	0.984, 0.970–0.991

Note:—NAWM indicates normal-appearing white matter.

On-line Table 3: Comparisons of AUCs among normalized MK, AK, RK, FA, MD, and ADC (part 1)

Comparison	Statistic	MK-AK	MK-RK	MK-FA	MK-MD	MK-ADC
LGMs-HGMs	P	.683	.221	.002[a]	.038[a]	.135
	Z	0.409	1.223	3.101	2.080	1.496

Note:—AUC indicates area under the curve.
[a] Significant.

On-line Table 4: Comparisons of AUCs among normalized MK, AK, RK, FA, MD, and ADC (part 2)

Comparison	Statistic	AK-RK	AK-FA	AK-MD	AK-ADC	RK-FA
LGMs-HGMs	P	.740	<.001[a]	.076	.204	.007[a]
	Z	0.332	3.533	1.776	1.271	2.712

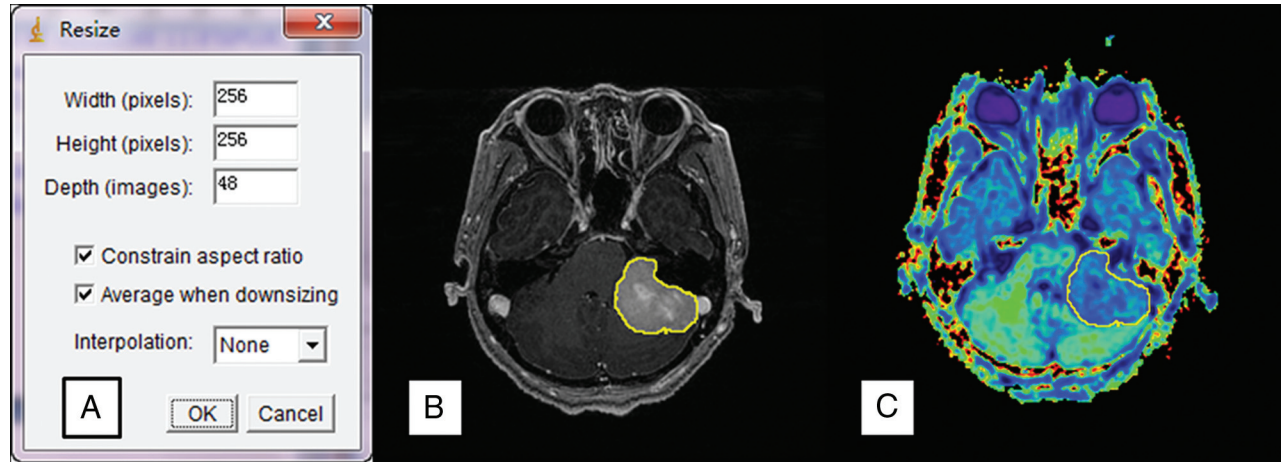**Note:**—AUC indicates area under the curve.
[a] Significant.

On-line Table 5: Comparisons of AUCs among normalized MK, AK, RK, FA, MD, and ADC (part 3)

	Statistic	RK-MD	RK-ADC	FA-MD	FA-ADC	MD-ADC
LGMs-HGMs	P	.197	.456	.021[a]	.019[a]	.771
	Z	1.289	0.746	2.303	2.340	0.291

Note:—AUC indicates area under the curve.
[a] Significant.

ON-LINE FIGURE. Protocols for resizing the enhanced T1 FSPGR image to match the DKI metric maps. *A*, The slice number of enhanced T1 FSPGR should be changed to 48 without interpolation. *B*, The ROI was semiautomatically delineated in the enhanced T1 FSPGR image. *C*, Finally, the ROI was copied to the DKI metric maps.