

On-line Table 1: Summary of the 3T MRI system and acquisition parameters

Parameters			
CE GRE			
TR (ms)	1500	8.3	8.5
TE (ms)	1.9	4.6	3.2
FA	9°	8°	12°
Matrix	256 × 208	252 × 252	256 × 256
FOV (mm)	249 × 249	250 × 250	220 × 220
Section thickness (mm)	1	1	1
NEX	1	1	1
CE SE			
TR (ms)	500	560–565	3028–3030
TE (ms)	9.8	10.8	25–27
FA	75°	70°	111°
Matrix	384 × 212	336 × 245	352 × 192
FOV (mm)	199 × 220	220 × 220	220 × 220
Section thickness (mm)	5	5	5
NEX	1	1	1
Black-blood imaging			
TR (ms)	650	500	416.7
TE (ms)	19	31.4	19.5
FA	120°	90°	90°
Matrix	256 × 200	240 × 240	256 × 256
FOV (mm)	256 × 256	227 × 227	220 × 220
Section thickness (mm)	1	1	1
NEX	1	1	1

Note:—FA indicates flip angle.

On-line Table 2: Results of the MR imaging readings for cases positive for LC (n = 78)

Scanner/Results	Imaging Technique		
	CE GRE	CE SE	Black-Blood Imaging
Siemens (n = 44)			
Positive	29	29	43
Indeterminate	5	4	0
Negative	10	11	1
Sensitivity (%)	65.91	65.91	97.73
Philips Healthcare (n = 19)			
Positive	14	15	18
Indeterminate	0	0	0
Negative	5	4	1
Sensitivity (%)	73.68	78.95	94.74
GE Healthcare (n = 15)			
Positive	7	8	15
Indeterminate	2	1	0
Negative	6	6	0
Sensitivity (%)	46.67	53.33	100

On-line Table 3: Results of the MR imaging readings for cases negative for LC (n = 31)

Scanner/Results	Imaging Technique		
	CE GRE	CE SE	Black-Blood Imaging
Siemens (n = 19)			
Positive	0	0	0
Indeterminate	3	3	1
Negative	16	16	18
Specificity (%)	84.21	84.21	94.74
Philips Healthcare (n = 8)			
Positive	0	0	0
Indeterminate	0	0	0
Negative	8	8	8
Specificity (%)	100	100	100
GE Healthcare (n = 4)			
Positive	0	0	0
Indeterminate	0	0	0
Negative	4	4	4
Specificity (%)	100	100	100

On-line Table 4: Association between MR imaging grade of LC and KPS

Grade	KPS (Median) (95% CI)	P Value
0–4 (n = 67)	380 (70–80)	<.001
5 (n = 42)	40 (40–48.15)	

On-line Table 5: Multivariate analysis of the imaging and clinical parameters of PFS (n = 38)

Parameters	Hazard Ratio	95% CI	P Value
Time to metastasis	.25	0.09, 0.71	.009
KPS	.33	0.12, 0.89	.029
Combination of LC grade and pattern	2.77	1.08, 7.08	.034

On-line Table 6: Interobserver agreement (ICC)^a

	CE GRE	CE SE	Black-Blood Imaging
LC grade (ICC) (95% CI)	0.9626 (0.9502–0.9727)	0.9342 (0.9124–0.9519)	0.9636 (0.9516–0.9734)
Enhancement pattern (ICC) (95% CI)	0.8873 (0.8499–0.9176)	0.8670 (0.8230–0.9028)	0.8633 (0.8180–0.9000)

^a Guide to interpretation of ICCs for agreement: values of <0.40 were considered poor; 0.40–0.59, fair; 0.60–0.74, good; and 0.75–1.0, excellent.

On-line Table 7: Interobserver agreement (ICC) for each location of the cerebral hemispheres^a

Location (ICC) (95% CI)	CE GRE	CE SE	Black-Blood Imaging
Right frontal	0.8939 (0.8588–0.9224)	0.8776 (0.8371–0.9105)	0.9279 (0.9041–0.9473)
Right parietal	0.8820 (0.8430–0.9137)	0.8665 (0.8224–0.9024)	0.9191 (0.8923–0.9408)
Right occipital	0.8916 (0.8557–0.9207)	0.8865 (0.8490–0.9170)	0.9057 (0.8744–0.9310)
Right temporal	0.9009 (0.8681–0.9275)	0.9125 (0.8835–0.9360)	0.9165 (0.8889–0.9390)
Left frontal	0.8710 (0.8283–0.9057)	0.8967 (0.8626–0.9245)	0.9292 (0.9057–0.9482)
Left parietal	0.8928 (0.8574–0.9216)	0.8905 (0.8543–0.9199)	0.9017 (0.8691–0.9281)
Left occipital	0.9051 (0.8737–0.9306)	0.8833 (0.8446–0.9146)	0.9320 (0.9095–0.9503)
Left temporal	0.9337 (0.9117–0.9515)	0.9232 (0.8978–0.9439)	0.9345 (0.9123–0.9521)
Posterior fossa	0.9334 (0.9109–0.9511)	0.9275 (0.9035–0.9470)	0.9468 (0.9292–0.9611)
Cranial	0.8783 (0.8380–0.9110)	0.8770 (0.8363–0.9101)	0.9198 (0.8933–0.9414)

^a Guide to interpretation of ICCs for agreement: values of <0.40 were considered poor; 0.40–0.59, fair; 0.60–0.74, good; and 0.75–1.0, excellent.