

On-line Table 1: DTI metrics obtained with the overlay method and volume measures

	Caudate		Thalamus	
	MD	FA	MD	FA
Controls	0.871 ± 0.101	0.197 ± 0.010	0.766 ± 0.052	0.295 ± 0.010
RR	0.906 ± 0.075	0.244 ± 0.027***	0.766 ± 0.040	0.322 ± 0.010***
SP	0.913 ± 0.104	0.270 ± 0.031***†	0.841 ± 0.139*‡	0.338 ± 0.021***#

Note:—Values are reported as mean ± standard deviation. Patients vs controls: **P* < .05; ***P* < .01; ****P* < .001; RR vs SP: †*P* < .05; ‡*P* < .01, #*P* < .001.

On-line Table 2: Correlation coefficients between DTI metrics obtained with the overlay method, other MRI metrics, and clinical scores in all patients with MS

	Age	DD	EDSS	MSFC	T2-LL	Volume
T2-LL	0.230	0.413**	0.250	-0.243	-	-
Caudate						
MD	-0.027	-0.030	-0.149	0.023	0.194	-0.274
FA	0.167	0.349*	0.176	-0.330	0.237	-0.439**
Volume	-0.373*	-0.315*	-0.223	0.366*	-0.481**	-
Thalamus						
MD	0.129	0.215	0.278	-0.188	0.480**	-0.340*
FA	0.395*	0.242	0.387*	0.467**	0.489**	-0.421**
Volume	-0.019	-0.202	-0.399**	0.078	-0.369*	-

Note:—Significant *P* values: **P* < .05; ***P* < .01