

On-line Table 1: MD and FA values of WM tracts in healthy controls and patients with ALS^a

WM Tract	Side	DTI Variable	Healthy Controls	Patients with ALS	P Value ^b
CST	Right	MD	0.75 (0.02)	0.78 (0.03)	.02 ^c
		FA	0.57 (0.02)	0.55 (0.02)	.03 ^c
	Left	MD	0.75 (0.02)	0.78 (0.03)	.02 ^c
		FA	0.58 (0.02)	0.56 (0.03)	.03 ^c
Corpus callosum		MD	0.82 (0.03)	0.85 (0.05)	.11
		FA	0.64 (0.02)	0.63 (0.03)	.62
Uncinate fasciculus	Right	MD	0.80 (0.03)	0.81 (0.04)	.18
		FA	0.48 (0.03)	0.48 (0.03)	.33
	Left	MD	0.82 (0.03)	0.84 (0.05)	.28
		FA	0.44 (0.02)	0.44 (0.03)	.52
Cingulum	Right	MD	0.78 (0.03)	0.78 (0.04)	.83
		FA	0.41 (0.03)	0.41 (0.02)	.51
	Left	MD	0.79 (0.03)	0.78 (0.04)	.30
		FA	0.42 (0.02)	0.42 (0.03)	.72
Superior longitudinal	Right	MD	0.78 (0.03)	0.79 (0.04)	.67
		FA	0.48 (0.04)	0.49 (0.03)	.05
	Left	MD	0.78 (0.03)	0.77 (0.04)	.36
		FA	0.47 (0.03)	0.48 (0.02)	.16
Inferior longitudinal	Right	MD	0.83 (0.03)	0.84 (0.04)	.38
		FA	0.47 (0.02)	0.46 (0.02)	.53
	Left	MD	0.83 (0.03)	0.84 (0.03)	.65
		FA	0.48 (0.02)	0.48 (0.02)	.62
Inferior fronto-occipital	Right	MD	0.80 (0.03)	0.81 (0.03)	.52
		FA	0.53 (0.03)	0.53 (0.03)	.91
	Left	MD	0.80 (0.03)	0.81 (0.04)	.96
		FA	0.53 (0.02)	0.53 (0.03)	.32

^a Values are mean (± SD). MD is [$\times 10^{-3}$ mm² s⁻¹].

^b Univariate analysis of variance, adjusted for the subject's age.

^c Significant.

On-line Table 2: Radial and axial diffusivity values of white matter tracts in healthy controls and patients with ALS^a

WM Tract	Side	DTI Variable	Healthy Controls	Patients with ALS	P Value ^b
CST	Right	Radial D	0.48 (0.03)	0.50 (0.03)	.01 ^c
		Axial D	1.31 (0.03)	1.32 (0.05)	.33
	Left	Radial D	0.47 (0.03)	0.50 (0.03)	.01 ^c
		Axial D	1.32 (0.03)	1.33 (0.05)	.60
Corpus callosum		Radial D	0.47 (0.03)	0.49 (0.05)	.19
		Axial D	1.53 (0.05)	1.56 (0.06)	.15
Uncinate fasciculus	Right	Radial D	0.57 (0.04)	0.58 (0.04)	.60
		Axial D	1.26 (0.04)	1.29 (0.06)	.04 ^c
	Left	Radial D	0.60 (0.03)	0.62 (0.05)	.59
		Axial D	1.25 (0.04)	1.28 (0.06)	.11
Cingulum	Right	Radial D	0.59 (0.03)	0.59 (0.04)	.72
		Axial D	1.16 (0.03)	1.16 (0.05)	.98
	Left	Radial D	0.59 (0.03)	0.59 (0.04)	.35
		Axial D	1.18 (0.03)	1.17 (0.05)	.32
Superior longitudinal	Right	Radial D	0.55 (0.04)	0.55 (0.05)	.48
		Axial D	1.23 (0.04)	1.26 (0.05)	.05
	Left	Radial D	0.56 (0.04)	0.56 (0.04)	.24
		Axial D	1.21 (0.04)	1.21 (0.05)	.87
Inferior longitudinal	Right	Radial D	0.60 (0.03)	0.62 (0.04)	.27
		Axial D	1.29 (0.03)	1.30 (0.05)	.77
	Left	Radial D	0.59 (0.03)	0.60 (0.03)	.76
		Axial D	1.32 (0.03)	1.33 (0.05)	.61
Inferior fronto-occipital	Right	Radial D	0.54 (0.04)	0.55 (0.04)	.76
		Axial D	1.33 (0.03)	1.34 (0.05)	.43
	Left	Radial D	0.54 (0.03)	0.54 (0.04)	.71
		Axial D	1.33 (0.04)	1.34 (0.05)	.55

^a Values are mean (± SD). Radial D and axial D are [$\times 10^{-3}$ mm² s⁻¹].

^b Univariate analysis of variance, adjusted for the subject's age.

^c Significant.