

Table e-3

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Local tractography and PET results in the corticospinal tracts (CST)					
Method	Measurement	ALS	HC	p value, t test	ES Cohen d (95% CI)
Left CST	FA	0.37 (0.064)	0.45 (0.016)	0.005*	1.53 (0.39 – 2.67)
	MD	7.6X10 ⁻⁴ (7.1X10 ⁻⁵)	7.3X10 ⁻⁴ (7.9X10 ⁻⁵)	0.45	-0.40 (-1.42 – 0.61)
	AD	8.5X10 ⁻⁴ (8.3X10 ⁻⁵)	8.1X10 ⁻⁴ (5.3X10 ⁻⁵)	0.23	-0.54 (-1.57 – 0.48)
	RD	7.2X10 ⁻⁴ (6.9X10 ⁻⁵)	6.7X10 ⁻⁴ (4.6X10 ⁻⁵)	0.21	-0.80 (-1.86 – 0.24)
	SUVR	0.94 (0.1)	0.81 (0.078)	0.01*	-1.40 (-2.52 - -0.27)
Right CST	FA	0.37 (0.063)	0.39 (0.048)	0.02*	0.35 (-0.52 - 1.24)
	MD	7.4X10 ⁻⁴ (5.9X10 ⁻⁵)	7.3X10 ⁻⁴ (7.1X10 ⁻⁵)	0.87	-0.15 (-1.17 - - 0.85)
	AD	8.7X10 ⁻⁴ (7.5X10 ⁻⁵)	8.0X10 ⁻⁴ (3.9X10 ⁻⁵)	0.11	-1.08 (-2.16 - 0.006)
	RD	7.1X10 ⁻⁴ (6.3X10 ⁻⁵)	6.6X10 ⁻⁴ (2.5X10 ⁻⁵)	0.15	-0.94 (-2.0 – 0.1)
	SUVR	0.95 (0.079)	0.92 (0.054)	0.41	-0.44 (-1.33 – 0.44)
Abbreviations: ALS = amyotrophic lateral sclerosis; HC = healthy control; FA = fractional anisotropy; MD = mean diffusivity; AD = axial diffusivity; RD = radial diffusivity; SUVR = [¹¹ C]-PBR28 standardized uptake value normalized by whole brain mean; CST = cortico spinal tract; CI = Confidence Interval; ES = effect size Values are mean (SD) *Significant difference between the groups at ($p < 0.05$)					