

Supplementary Table 1. Comparison of FA values in the seven major white matter tracts

Major tract	CPAP (n = 22)			Untreated (n = 16)		
	Pre	Post	p-value	Pre	Post	p-value
LH ATR	0.307 (0.153)	0.291 (0.144)	0.693	0.291 (0.142)	0.282 (0.144)	0.224
LH CST	0.458 (0.146)	0.463 (0.140)	0.256	0.460 (0.135)	0.443 (0.135)	0.188
LH CG	0.372 (0.172)	0.349 (0.181)	0.373	0.343 (0.182)	0.359 (0.181)	0.284
LH IFO	0.259 (0.128)	0.258 (0.131)	0.072	0.259 (0.128)	0.260 (0.125)	0.435
LH ILF	0.246 (0.101)	0.246 (0.092)	0.701	0.236 (0.089)	0.230 (0.088)	0.451
LH SLF	0.316 (0.167)	0.320 (0.171)	0.907	0.319 (0.158)	0.317 (0.170)	0.424
LH UNC	0.206 (0.099)	0.213 (0.098)	0.558	0.204 (0.083)	0.204 (0.081)	0.399
RH ATR	0.362 (0.137)	0.385 (0.148)	0.335	0.358 (0.129)	0.366 (0.128)	0.882
RH CST	0.383 (0.157)	0.418 (0.178)	0.008*	0.414 (0.165)	0.431 (0.170)	0.759
RH CG	0.302 (0.126)	0.300 (0.119)	0.682	0.290 (0.110)	0.310 (0.135)	0.593
RH IFO	0.265 (0.152)	0.271 (0.156)	0.271	0.252 (0.142)	0.254 (0.157)	0.491
RH ILF	0.300 (0.149)	0.305 (0.153)	0.572	0.278 (0.143)	0.288 (0.155)	0.416
RH SLF	0.293 (0.152)	0.307 (0.152)	0.165	0.278 (0.156)	0.292 (0.153)	0.181
RH UNC	0.206 (0.100)	0.205 (0.100)	0.956	0.198 (0.098)	0.184 (0.094)	0.379

Data are presented as mean (SD).

* $p < 0.05$, statistically significant.

LH, left hemisphere; RH, right hemisphere; FA, functional anisotropy; CPAP, continuous positive airway pressure; ATR, anterior thalamic radiation; CST, corticospinal tract; CG, cingulum; IFO, inferior fronto-occipital fasciculus; ILF, inferior longitudinal fasciculus; SLF, superior longitudinal fasciculus; UNC, uncinate fasciculus.