

On-line Table: Comparisons between DTI parameters within ROIs in children born from PE-FIs and children born from typical healthy control pregnancies^a

DTI Parameters Analyzed in Tractography	Brain ROIs Identified by Voxel-Based Analysis																	
	Middle Occipital Gyrus			Caudate Nucleus			Precuneus			Cerebellum			Superior Longitudinal Fasciculus			Cingulate Gyrus		
	Controls	PE-FI	P Value	Controls	PE-FI	P Value	Controls	PE-FI	P Value	Controls	PE-FI	P Value	Controls	PE-FI	P Value	Controls	PE-FI	P Value
FA	0.27 ± 0.01	0.28 ± 0.01	.47	0.39 ± 0.02 ^b	0.47 ± 0.02 ^b	.008 ^b	0.43 ± 0.02	0.44 ± 0.01	.34	0.47 ± 0.02	0.45 ± 0.01	.77	0.41 ± 0.008	0.42 ± 0.006	.20	0.39 ± 0.01	0.44 ± 0.02	.07
MD ($\times 10^{-3}$ mm ² /s)	0.80 ± 0.02	0.85 ± 0.08	.29	0.85 ± 0.03	0.83 ± 0.03	.65	0.78 ± 0.01	0.81 ± 0.01	.12	0.85 ± 0.06	0.83 ± 0.05	.60	0.79 ± 0.08	0.78 ± 0.06	.85	0.85 ± 0.02	0.88 ± 0.02	.25
Tract volumes (in voxels)	34.5 ± 8.7	49.5 ± 21.9	.26	194.8 ± 45.1 ^b	292.6 ± 34.8 ^b	.05 ^b	182.8 ± 55.3	198.7 ± 27.7	.39	208.2 ± 39.3	175.0 ± 20.4	.76	834.9 ± 116.8 ^b	1085.9 ± 58.6 ^b	.03 ^b	122.8 ± 35.5	224.6 ± 58.9	.07
Parallel diffusion ($\times 10^{-3}$ mm ² /s)	1.04 ± 0.03	1.10 ± 0.09	.29	1.23 ± 0.06	1.31 ± 0.06	.17	1.17 ± 0.03	1.21 ± 0.02	.12	1.34 ± 0.09	1.27 ± 0.07	.71	1.17 ± 0.01	1.15 ± 0.01	.75	1.23 ± 0.03 ^b	1.33 ± 0.04 ^b	.04 ^b
Perpendicular diffusion ($\times 10^{-3}$ mm ² /s)	0.97 ± 0.02	1.02 ± 0.09	.30	0.94 ± 0.03	0.85 ± 0.04	.97	0.86 ± 0.03	0.87 ± 0.02	.48	0.88 ± 0.07	0.89 ± 0.06	.47	0.88 ± 0.02	0.86 ± 0.08	.78	0.95 ± 0.03	0.92 ± 0.03	.73

^a Values are expressed as mean ± standard error of the mean. P = 1-way ANCOVA (corrected by age).

^b Significant differences between groups were found.