

Supplementary Table 1: Significance of changes in diffusion metrics in the left hemisphere of bTBI rats

(Results are from Fisher LSD post hoc comparisons)

LOCATION	FA		MD		AD		RD	
	D1:Control vs bTBI	bTBI: D1 vs D14	D1: Control vs bTBI	bTBI: D1 vs D14	D1: Control vs bTBI	bTBI: D1 vs D14	D1: Control vs bTBI	bTBI: D1 vs D14
MCC								
<i>Splenium</i>	0.679662	0.000803	0.090961	0.000001665	0.094956	0.009695	0.501062	0.025062
<i>Body</i>	0.072135	0.006409	0.075607	0.000000085	0.461315	0.002294	0.005334	0.001292
<i>Genu</i>	0.002818	0.007365	0.000086	0.000001024	0.020621	0.016448	0.000760	0.000003
LCC								
<i>Splenium</i>	0.000331	0.004761	0.003508	0.000000000	0.032385	0.000054	0.580439	0.981207
<i>Body</i>	0.000443	0.000087	0.000001	0.000000000	0.000203	0.000031	0.206139	0.623793
<i>Genu</i>	0.180501	0.020521	0.030801	0.000000002	0.014017	0.000258	0.728029	0.298201
CG								
<i>Caudal</i>	0.000283	0.258446	0.036688	0.000000013	0.161690	0.011764	0.000334	0.000000032
<i>Middle</i>	0.000242	0.027097	0.007561	0.000000000	0.014831	0.001105	0.486280	0.000000176
<i>Rostral</i>	0.016707	0.100008	0.014680	0.000000001	0.089182	0.000023	0.143375	0.000007

Significance:	p<0.01	p<0.05
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Supplementary Table 2: Diffusion changes in the right hemisphere of bTBI rats

(Directions of significant diffusion metric changes are shown. Left hemisphere changes followed a similar pattern.)

LOCATION	FA			MD			AD			RD	
	D1: Control	bTBI:		D1: Control	bTBI:		D1: Control	bTBI:		D1: Control	bTBI:
	vs bTBI	D1 vs D14		vs bTBI	D1 vs D14		vs bTBI	D1 vs D14		vs bTBI	D1 vs D14
Medial CC											
<i>Splenium</i>		↑		↓			↓				
<i>Body</i>	↓	↑		↑	↓			↓		↑	↑
<i>Genu</i>	↓	↑		↑	↓		↑	↓		↑	↑
Lateral CC											
<i>Splenium</i>	↓	↑		↑	↓			↓			
<i>Body</i>	↓	↑		↑	↓			↓			
<i>Genu</i>	↓	↑			↓			↓			
Cingulum											
<i>Caudal</i>	↓	↑			↓			↑		↑	↓
<i>Middle</i>	↓	↑		↑	↓			↑			↓
<i>Rostral</i>	↓	↑		↑	↓			↑			↓

