

Table 1: Demographic, clinical/behavioral, and fMRI task performance measures of the study sample.

	NC (N=45)	TBI (N=44)	
	Mean (SD)	Mean (SD)	<i>p</i> Value
Age	22.36 (2.04)	21.63 (2.00)	.167
Education year	14.98 (1.95)	14.26 (1.56)	.066
Mother's education year	15.35 (2.20)	15.55 (2.70)	.710
Father's education years	15.77 (2.81)	15.50 (2.78)	.660
CAARS scores			
Inattentive raw scores	4.67 (2.81)	9.31 (6.28)	< .001
Inattentive T-scores	45.88 (6.48)	57.02 (15.18)	< .001
Hyperactive/impulsive raw scores	5.07 (2.76)	9.19 (5.80)	< .001
Hyperactive/impulsive T-scores	42.58 (5.93)	52.52 (14.66)	< .001
	N (%)	N (%)	<i>p</i> Value
Male	23 (53.49)	21 (50.00)	.917
Right-handed	43 (100)	42 (100)	1.000
Race/Ethnicity			.094
Caucasian	12 (27.91)	21 (50.00)	
Black or African American	4 (9.30)	7 (2.38)	
Asian	20 (46.51)	9 (21.43)	
Hispanic/Latino	2 (4.65)	2 (4.76)	
More than one race	5 (11.63)	3 (7.14)	
fMRI Task performance measures	Mean (SD)	Mean (SD)	
Accuracy rate	0.99 (0.04)	0.99 (0.01)	0.344
Omission error rate	0.009 (0.03)	0.001 (0.005)	0.131
Commission error rate	0.003 (0.01)	0.005 (0.01)	0.464
Overall response reaction time (ms)	607.09 (134.73)	604.45 (132.83)	0.928
Correct response reaction time(ms)	606.72 (135.02)	603.83 (132.47)	0.921

NC: normal control; TBI: traumatic brain injury; N: number of subjects; SD: standard deviation; *p*: level of significance; CAARS: Conner's adult ADHD self-reporting rating scales; ms: milliseconds.

Table 2: The top six most important features for successful classification (permutation importance Mean is 0.00093, standard deviation (SD) is 0.00085, BC: betweenness centrality, FN: task-based functional network, SN: white matter structural network).

Rank	Feature Label	Feature Meaning	Permutation Importance	Threshold
1	ts_nodal_BC_node6	Nodal BC of right caudate nucleus in FN	0.00345	>Mean + 1.5 SD
2	Node51_BC	Nodal BC of right cuneus in SN	0.00318	>Mean + 1.5 SD
3	ts_nodal_deg_node10	Nodal degree of right cingulate gyrus in FN	0.00272	>Mean + 1.5 SD
4	ts_nodal_deg_node84	Nodal degree of left posterior superior temporal sulcus in FN	0.00262	>Mean + 1.5 SD
5	Node72_Glo_Eff	Nodal global efficiency of right rostral anterior cingulate region in SN	0.00162	>Mean + 0.5 SD
6	Node49_Glo_Eff	Nodal global efficiency of right caudal anterior cingulate region in SN	0.00149	>Mean + 0.5 SD