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| **Supplementary table 1.** Neuropsychological test results. Full scale IQ and raw scores |
|  | **Healthy****Com-****parison** **Group****(N=115)** | **Severe Traumatic****Brain Injury****(N=125)** | **Focal Prefrontal Lesions****(N=29)** | **Focal Cerebellar Lesions****(N=24)** | **Parkinson**'**s** **Disease****(N=42)** | **ADHD****(N=34)** | **Bipolar Disorder-II****(N=21)** | **Borderline Personality Disorder****(N=18)** | ***F*** | ***p*<** | **Partial η2** |
| **IQ** | 111.4(13.6) | 96.4 (15.4/116) | 104(12.9) | 95.6(11) | 105.9(15.2/41) | 93.8(13.4) | 110.3(8.8) | 115.3 (10.9) | 11.8 | 0.001 | 0.18 |
| **Letter-Number Sequencing** | 11.2(2.7) | 8.6(3/121) | 19(1.9) | 8.8(2.6) | 8.5(2.5) | 8.9(2.6/32) | 10.4(2.3) | 11.7(2.6) | 7.01 | 0.001 | 0.11 |
| **CWIT 1** | 28.8(5.7/114) | 37.7(14.3/117) | 34.4(13.3) | 35.3(9.1/23) | 34.8(7.9) | 35.1(6.2) | 29.5(5.5) | 28(4.7) | 6.4 | 0.001 | 0.1 |
| **CWIT 2** | 21.2(3.4) | 27.1(9.6/118) | 24.6(10.4) | 27.2(8.1/23) | 25.4(6.1) | 24.4(4.1) | 21.8(3.9) | 20.9(2.6) | 6.39 | 0.001 | 0.10 |
| **CWIT 3** | 50(12.4) | 67.8(36.5/117) | 59(25.3) | 68(25/24) | 71.5(19.6) | 59.6(13.7) | 52.6(13.9) | 47.7(9.4) | 4.54 | 0.001 | 0.08 |
| **CWIT 4** | 56.5(15.2) | 79(37.1/115) | 74.3(36.9) | 75(24,3/23) | 93.2(34.7) | 67.6(15.4) | 58.7(15.9) | 50.1(9.6) | 6 | 0.001 | 0.1 |
| **CWIT 3-1** | 21.3(10.9/114) | 30.1(27.9/117) | 24.6(15.7) | 33.5(18.6/23) | 35.7(14.3) | 24.5(10.6) | 23.1(10.1) | 19.7(5.5) | 2.62 | 0.01 | 0.45 |
| **CWIT 4-1** | 27.8(15.1/114) | 41.5(28.9/115) | 39.9(27.7) | 39.7(18.6/23) | 57.4(32.2) | 32.5(13.6) | 29.2(12.7) | 22.1(9.1) | 4.17 | .001 | .07 |
| **EF Index** | -.34(0.5) | .04(1/115) | .05(.7) | .21(.66/23) | .39(.8) | -.07(.5/32) | -.1(.5) | -.4(.35) | 2.83 | 0.01 | .05 |

*Note*. In groups where N is equal in all cells, this is indicated at the top of the column, otherwise in each cell as follows: Mean (*SD*/N). All statistical comparisons are based on raw-scores. CWIT = Color-Word Interference Test.