

**Supplementary table 2. Multivariate analysis of covariance for MCCB-J subtest T-scores of the sample**

MCCB-J subtest	ANR group (n = 21)	ANBP group (n = 17)	Healthy controls (n = 69)	<i>F</i> <sup>a</sup>	<i>p</i> -value	partial $\eta^2$	Post hoc comparisons
	Mean $\pm$ SD						
<b>TMT-A</b>	35.98 $\pm$ 18.19	25.01 $\pm$ 18.37	49.24 $\pm$ 18.27	12.21	<0.001	0.20	ANBP<HC( <i>p</i> <0.001) ANR<HC( <i>p</i> =0.017)
<b>BACS-SC</b>	44.96 $\pm$ 9.24	41.36 $\pm$ 9.33	52.54 $\pm$ 9.29	11.15	<0.001	0.18	ANBP<HC( <i>p</i> <0.001) ANR<HC( <i>p</i> =0.006)
<b>HVLT-R</b>	52.49 $\pm$ 9.30	48.60 $\pm$ 9.40	52.23 $\pm$ 9.34	1.12	0.33	0.02	n. s.
<b>WMS-SS</b>	44.76 $\pm$ 10.39	45.77 $\pm$ 10.50	49.58 $\pm$ 10.44	1.93	0.15	0.04	n. s.
<b>LNS</b>	45.64 $\pm$ 9.85	43.36 $\pm$ 9.95	50.02 $\pm$ 9.90	3.41	0.037	0.06	n. s.
<b>NAB</b>	43.96 $\pm$ 13.22	36.70 $\pm$ 13.35	48.25 $\pm$ 13.28	4.86	0.010	0.09	ANBP<HC( <i>p</i> =0.007)
<b>BVMT-R</b>	45.49 $\pm$ 9.94	42.09 $\pm$ 10.04	52.67 $\pm$ 9.99	8.61	<0.001	0.15	ANBP<HC( <i>p</i> =0.001) ANR<HC( <i>p</i> =0.018)
<b>Fluency</b>	54.46 $\pm$ 11.59	50.37 $\pm$ 11.71	51.38 $\pm$ 11.65	0.75	0.475	0.02	n. s.
<b>MSCEIT-ME</b>	40.31 $\pm$ 10.34	39.85 $\pm$ 10.45	49.45 $\pm$ 10.39	8.64	<0.001	0.15	ANBP<HC( <i>p</i> =0.004) ANR<HC( <i>p</i> =0.003)
<b>CPT-IT</b>	51.53 $\pm$ 7.93	43.77 $\pm$ 8.01	52.16 $\pm$ 7.97	7.46	0.001	0.13	ANBP<HC( <i>p</i> =0.001) ANBP<ANR( <i>p</i> =0.008)

Abbreviations: ANBP, anorexia nervosa, binge-eating/purging type subtype; ANR, anorexia nervosa, restricting subtype; BACS-SC, Brief Assessment of Cognition in Schizophrenia–Symbol Coding test; BVMT-R, Brief Visuospatial Memory Test-Revised; CPT-IP, Continuous Performance Test–Identical Pairs; Fluency, Category Fluency–Animal Naming test; HVLT-R, Hopkins Verbal Learning Test-Revised; LNS, University of Maryland–Letter-Number Span test; MCCB, MATRICS Consensus Cognitive Battery, Japanese-language version; MSCEIT-ME, Mayer-Salovey-Caruso Emotional Intelligence Test, Managing Emotions component; NAB, Neuropsychological Assessment Battery–Mazes; SD, standard deviation; TMT-A, Trail Making Test, part A; WMS-SS, Wechsler Memory Scale III Spatial Span test; n. s., not significant.

<sup>a</sup> Multivariate analysis of covariance controlling for age, IQ, and educational level.