

Supplementary Material:

Neurocognitive Impairments are More Severe in the Binge-eating/Purging Anorexia Nervosa Subtype than in the Restricting Subtype

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Supplementary Table 1. Multivariate analysis of covariance for all MCCB-J domains and overall cognitive composite T-scores of the sample

MCCB-J domains	ANR group (n = 21)	ANBP group (n = 17)	Healthy controls (n = 69)	<i>F</i> ^a	<i>p</i> -value	partial η^2	Post hoc comparisons
	Mean \pm SD						
Processing speed	45.35 \pm 8.87	39.06 \pm 8.96	50.88 \pm 8.91	11.69	<0.001	0.19	ANBP <HC (p<0.001)
Attention/vigilance	51.63 \pm 8.00	43.89 \pm 8.08	52.18 \pm 8.03	7.18	0.001	0.13	ANBP<ANR(p=0.009) ANBP <HC (p=0.001)
Working memory	45.17 \pm 8.53	44.48 \pm 8.62	50.09 \pm 8.57	3.99	0.021	0.07	n. s.
Verbal learning	52.27 \pm 9.26	48.38 \pm 9.35	51.90 \pm 9.30	1.09	0.339	0.02	n. s.
Visual learning	45.62 \pm 10.02	42.29 \pm 10.12	52.80 \pm 10.07	8.40	<0.001	0.14	ANR < HC (P=0.019) ANBP <HC (P=0.001)
Reasoning/problem-solving	44.00 \pm 13.23	36.56 \pm 13.37	48.60 \pm 13.30	5.28	0.007	0.10	ANBP <HC (p=0.005)
Social cognition	40.19 \pm 10.32	39.77 \pm 10.43	49.44 \pm 10.37	8.85	<0.001	0.15	ANR < HC (p=0.002) ANBP < HC (p=0.004)
Overall composite score	45.51 \pm 10.32	41.19 \pm 10.42	49.00 \pm 10.37	3.74	0.027	0.07	ANBP < HC (p=0.025)

Abbreviations: ANBP, anorexia nervosa, binge-eating/purging subtype; ANR, anorexia nervosa, restricting subtype; MCCB-J, MATRICS Consensus Cognitive Battery, Japanese-language version; n. s., not significant.