DATA SUPPLEMENT 6

Summary of statistical analysis of magnetic resonance spectroscopy (MRS) and voxel-based morphometry (VBM) data

¹H MRS	Anterior cingulate†			Thalamus†		
	Within		Between	Within		Between
Metabolite / Design	Time	Time × Group	Group	Time	Time × Group	Group
Glutamine						
2x2 SPF	NS	NS	P=0.040	P=0.04	P=0.024	NS
Three-level repeated-measures	NS	–	–	NS	–	–
Univariate NT v. HPAR1	–		P=0.028	–	–	P=0.036
Univariate 30M v. HPAR2	–	–	NS	–	–	NS
Glutamate						
2x2 SPF	NS	NS	NS	NS	NS	NS
Three-level repeated-measures	NS	–	–	NS	–	–
Univariate NT v. HPAR1	–	–	NS	–	–	NS
Univariate 30M v. HPAR2	–	–	NS	–	–	NS
Others¹						
2x2 SPF multivariate	P=0.003	NS	NS	NS	NS	NS
2x2 SPF univariate	MI.41 P=0.002 MI.70 P=0.009	NS	NAA P=0.045 MI.41 P=0.038 MI.30 P=0.035	MI.50 P=0.024 MI.41 P=0.013	NS	Tau P=0.045
Three-level repeated-measures multivariate	–	–	–	NS (P=0.076)	–	NS
Three-level repeated-measures univariate	Glu/Gln P=0.039 MI.70 P=0.043	–	–	NS	–	NS
Univariate NT v. HPAR1	–	–	Glu/Gln P=0.030 MI.41 P=0.031	–	–	Glu/Gln P=0.024 Tau P=0.061
Univariate 30M v. HPAR2	–	–	NS	–	–	NS

VBM	Two-Level	Three-Level
Between participants		
HPAR1 > NT	NS	–
NT > HPAR1	NS	–
HPAR2 > 30M	Data Supplement 7	–
30M > HPAR2	NS	–
Within participants		
NT > 10M	Data Supplement 8	Data Supplement 7
NT > 30M	Data Supplement 8	Data Supplement 7
10M > 30M	Data Supplement 8	Data Supplement 7
10M > NT	NS	NS
30M > NT	NS	NS
30M > 10M	NS	NS

NS=not significant, –= not applicable.
1. Anterior cingulate others = NAA, tCr, Cho, Myo, Tau, Glu/Gln, MI.70, MI.41, MI.30, MI.22, M0.90; thalamus others=NAA, tCr, Cho, Myo, Tau, Syl, Glu/Gln, M3.15, M3.00, MI.75, MI.50, MI.41, MI.30, M0.90.
†Two-tailed P values (significant tests meet two-tailed, P<0.05 throughout).