



Article

Peripheral Upregulation of Parkinson's Disease-Associated Genes Encoding α -synuclein, β -glucocerebrosidase, and Ceramide Glucosyltransferase in Major Depression

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Supplementary Table S1: Group-wise comparisons (p values) for unmedicated, medicated and remitted patients and healthy control subjects at study inclusion (T1) and follow-up (T2, 3 weeks later, only for currently affected patients)

p values for pair-wise comparisons	PU-PM	PU-HC	PM-HC	PR-HC	PU-PR	PM-PR
Age	0.908	0.520	0.530	0.017	0.055	0.036
Education	0.083	0.937	0.066	0.220	0.220	0.689
BMI	<0.001	0.616	0.001	0.362	0.192	0.080
HAM-D T1	0.087	<0.001	<0.001	0.017	<0.001	<0.001
HAM-D T2	0.237					
MADRS T1	0.064	<0.001	<0.001	0.022	<0.001	<0.001
MADRS T2	0.171					
BDI-II T1	0.371	<0.001	<0.001	0.376	<0.001	<0.001
BDI-II T2	0.970					
STAI state T1	0.065	<0.001	<0.001	0.020	<0.001	<0.001
STAI state T2	0.237					
STAI trait average	0.332	<0.001	<0.001	0.003	<0.001	<0.001
SNCA expression T1	0.309	0.160	0.038	0.842	0.366	0.186
SNCA expression T2	0.157					
SNCA expression rel. change	0.840					
GBA1 expression T1	0.182	0.265	0.043	0.515	0.128	0.017
GBA1 expression T2	0.159					
GBA1 expression rel. change	0.830					
UGCG expression T1	0.028	0.055	<0.001	0.903	0.083	<0.001
UGCG expression T2	0.296					
UGCG expression rel. change	0.321					

p values (nominal $p < 0.05$ in bold) from Mann-Whitney-U tests comparing patient groups: PU unmedicated depressive patients, PM medicated depressive patients, PR patients with remitted major depressive disorder and HC healthy controls. Parameters—BMI body mass index, BDI-II Beck Depression Inventory-II, HAM-D Hamilton Depression Rating Scale, MADRS Montgomery–Åsberg Depression Rating Scale, STAI State-Trait Anxiety Inventory, peripheral gene expression for SNCA α -synuclein, GBA1 β -glucocerebrosidase, UGCG UDP-glucose ceramide glucosyltransferase normalized to reference genes