Du et al. Supplement

Abnormalities in High Energy Phosphate Metabolism in First Episode Bipolar Disorder Measured Using ³¹P Magnetic Resonance Spectroscopy

Supplemental Information

Supplementary Table S1. Phosphorus metabolite ratios calculated with β -ATP as the internal reference a

Measure	BD (n=20)	HC (n=28)
Metabolite ratio		
Phosphocreatine to β-ATP	1.25 (0.16)	1.26 (0.18)
Inorganic phosphate to β-ATP	0.36 (0.09)	0.38 (0.06)
Phosphodiester to β-ATP ^b	0.71 (0.12)	0.85 (0.22)
Phosphomonoester to β-ATP	1.02 (0.16)	1.02 (0.17)
Flux of creatine kinase, mmol/g/min	42.97 (11.9)	49.89 (12.14)

^a Note that β-ATP measurements are less reliable compared to γ-ATP, due to its waveform.

^b PDE/β-ATP is significantly lower in BD compared to HC (p=0.009).