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Supplementary Material

Article Title: Enhanced Prefrontal Function With Pharmacotherapy on a Response Inhibition Task in Adolescent Bipolar Disorder

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1. [eTable 1](#) Within-Group Differences at Baseline vs. Follow-up

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eTable 1. Within-Group Differences at Baseline vs. Follow-up

Brain region	Talairach coordinates for peak activation	BA Area	Volume (mm³)	t value for peak activation
ABD: Baseline > Follow-up				
None				
ABD: Follow-up > Baseline				
L Medial Frontal Gyrus	-6, 49, -4	11	1080	3.14
R Medial Frontal Gyrus	11, 50, -4	11	1647	3
L Pregenual ACC	-8, 41, -1	32	270	2.92
R Pregenual ACC	2, 51, -2	32	270	4.35
R Subgenual ACC	6, 10, -9	25	540	4.1
R Posterior Cingulate Cortex	5, -50, 12	29	540	3.82
L Posterior Cingulate Cortex	-5, -59, 18	30	459	3.17
L Superior Temporal Gyrus	-58, -28, 17	22	405	3.9
R Ventral Striatum	11, 8, -10	-	351	3.14
L Ventral Striatum	-16, 6, -10	-	351	3.04
HC: Baseline > Follow-up				
L Middle Frontal Gyrus	-44, 47, 6	46	1323	4.28
R Medial Frontal Gyrus	23, 62, 3	11	621	3.49
L Medial Frontal Gyrus	-2, 29, 51	11	621	3.3
HC: Follow-up > Baseline				
R Motor Cingulate Cortex	14, -2, 45	24	297	2.92
L Motor Cingulate Cortex	-11, -8, 45	24	324	2.79
R Putamen	26, -20, 9	-	486	3.26
L Putamen	-23, -11, 12	-	3078	4.7
R Caudate	11, 14, 9	-	594	2.93
L Caudate	-13, 14, 6	-	540	4.05

Table shows Talairach coordinates and t values for peak activation in significant clusters ($p < 0.025$ with contiguity threshold) representing, for each group, the difference in activation between baseline and follow-up; HC: healthy controls; ABD: Adolescent bipolar disorder; BA: Brodmann's Area; L: Left; R: Right; ACC=anterior cingulate cortex.