

## Supplementary Online Content

Schulz KP, Fan J, Bédard A-CV, Clerkin SM, Ivanov I, Tang CY, Halperin JM, Newcorn JH. Common and unique therapeutic mechanisms of stimulant and nonstimulant treatments for attention-deficit/hyperactivity disorder. *Arch Gen Psychiatry*. doi: 10.1001/archgenpsychiatry.2011.2053.

**eTable 1.** Baseline Neural Activations for Response Inhibition in 36 Youth With ADHD

**eTable 2.** Greater Baseline Neural Activations for Response Inhibition in Youth With ADHD Treated With Methylphenidate (n = 18) Than in Those Treated With Atomoxetine (n = 18)

**eFigure.** Mean (SD) parameter estimates for baseline signal change in the right precuneus of 36 youth with ADHD plotted separately for go and no-go events.

This supplementary material has been provided by the authors to give readers additional information about their work.

**eTable 1. Baseline Neural Activations for Response Inhibition in 36 Youth With ADHD**

Brain Region	Brodmann Area	Voxel Coordinates <sup>a</sup>			Volume <sup>b</sup>	T score	P Value
		x	y	z			
Right inferior frontal gyrus	45/47	40	22	-6	1,293	6.47	< .001
Left inferior frontal gyrus	45/47	-40	18	-4	1,108	5.16	< .001
Right middle frontal gyrus	9/46	38	36	40	871	4.30	< .001
Bilateral anterior cingulate cortex	32	6	36	32	1,967	5.67	< .001
Right inferior parietal lobule	40	52	-42	36	1,930	7.07	< .001
Left inferior parietal lobule	40	-56	-50	30	938	6.63	< .001
Right precuneus	7	4	-66	42	190	3.70	< .001
Right caudate nucleus	---	14	6	12	206	5.01	< .001
Left caudate nucleus	---	-12	6	12	253	5.36	< .001

<sup>a</sup> Coordinates of peak activation based on the Montreal Neurological Institute stereotactic coordinate system.

<sup>b</sup> No. of voxels. One voxel = 8 mm<sup>3</sup>.

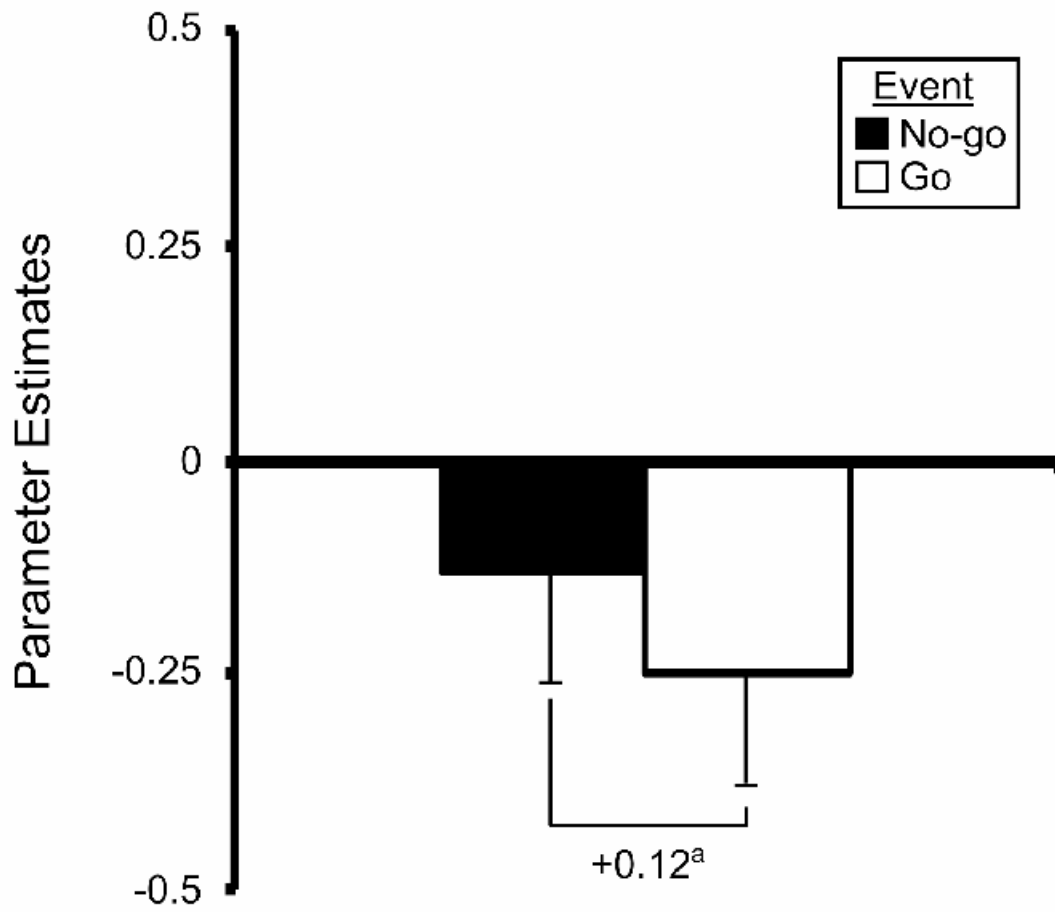
**eTable 2. Greater Baseline Neural Activations for Response Inhibition in Youth With ADHD Treated With Methylphenidate (n = 18) Than [in](#) Those Treated With Atomoxetine (n = 18)**

Brain Region	Brodmann Area	Voxel Coordinates <sup>a</sup>			Volume <sup>b</sup>	T score	P Value
		x	y	z			
Left superior parietal lobule	7	-30	-44	40	167	4.82	< .001
Left paracentral lobule	5	-8	-42	60	147	4.32	< .001

<sup>a</sup>Coordinates of peak activation based on the Montreal Neurological Institute stereotactic coordinate system.

<sup>b</sup>No. of voxels. One voxel = 8 mm<sup>3</sup>.

eFigure.



<sup>a</sup>The no-go event minus go event contrast confusingly identified task-related activation for this precuneus region.