

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 ^a			Volume ^b	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

^a Coordinates of peak activation based on the Montreal Neurological Institute stereotactic coordinate system.

^b No. of voxels. One voxel = 8 mm³.

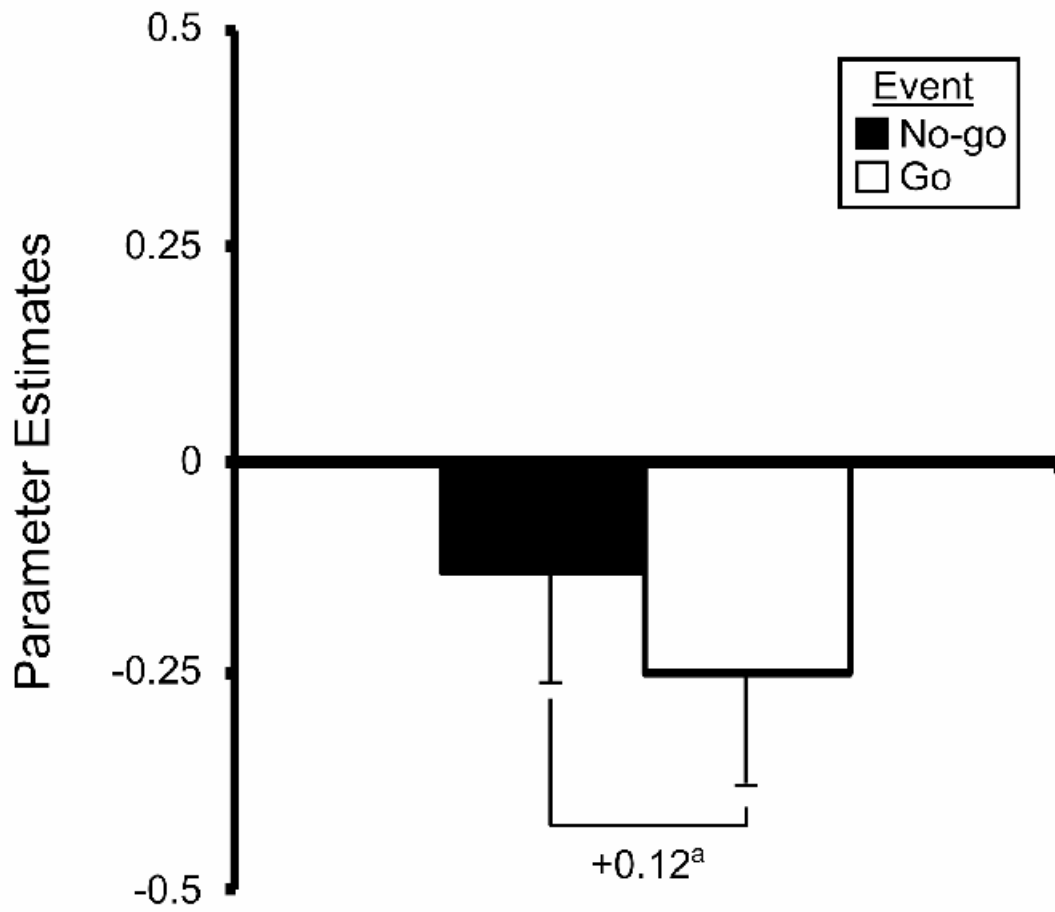
eTable 2. Greater Baseline Neural Activations for Response Inhibition in Youth With ADHD Treated With Methylphenidate (n = 18) Than [in](#) Those Treated With Atomoxetine (n = 18)

Brain Region	Brodmann Area	Voxel Coordinates ^a			Volume ^b	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

^aCoordinates of peak activation based on the Montreal Neurological Institute stereotactic coordinate system.

^bNo. of voxels. One voxel = 8 mm³.

eFigure.



^aThe no-go event minus go event contrast confusingly identified task-related activation for this precuneus region.