Study	N(Drug, Pla)	Drug, dose	SMD [95% CI]	Decrease punishment Increase punishment learning/sensitivity learning/sensitivity
Jocham, 2011	16	Amisulpride 200mg	0.08 [-0.77, 0.92]	
Admon, 2017	20, 18	Amisulpride 50mg	-0.54 [-1.19, 0.11]	
Frank, 2006	19, 20	Haloperidol 2mg	-0.38 [-1.01, 0.25]	_
Walsh, 2018	20, 20	Bupropion 150mg	0.37 [-0.25, 1.00]	
Bernacer, 2013	17, 17	Methamphetamine 0.3mg/kg	-0.01 [-0.68, 0.66]	
Bellebaum, 2017	16, 20	Modafinil 200mg	-0.52 [-1.19, 0.14]	
Pessiglione, 2006	13, 13	L-dopa 100mg+25mg	0.42 [-0.35, 1.20]	
Halahakoon, 2024	21, 19	Pramipexole 1mg/day	-0.63 [-1.27, 0.00]	
Jocham, 2014	22	Amisulpride 400mg	0.58 [0.07, 1.08]	
Eisenegger, 2014	41, 35	Sulpiride 800mg	0.22 [-0.23, 0.67]	
Cox, 2015	10	Phe / Tyr depletion 100g	-0.91 [-1.95, 0.13]	
Kelm, 2015	16	Phe / Tyr depletion 68.7g	-0.22 [-0.78, 0.33]	
Murray, 2019	18, 18	Pramipexole 0.5mg	0.17 [-0.48, 0.83]	-
Random-effects meta-ana		-0.06 [-0.31, 0.18]	\$	
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SMD (95% CI)