				Decreased reward Increased reward
Study	N(Drug, Pla)	Drug, dose	SMD [95% CI]	function : function
Walsh, 2018	20, 20	Bupropion 150mg	-0.06 [-0.68, 0.56]	
Ikeda, 2019	15	Bupropion 150mg	0.30 [-0.33, 0.93]	<u> </u>
de Wit, 2002	36, 36	D-amphetamine 20mg	0.21 [-0.25, 0.67]	
Wardle, 2011	17, 17	D-amphetamine 20mg	0.64 [-0.05, 1.33]	<u> </u>
Soder, 2021	28, 28	D-amphetamine 20mg	0.33 [-0.20, 0.86]	<u>:</u>
Bernacer, 2013	17	Methamphetamine 0.3mg/		
Westbrook, 2020	46	Methylphenidate 20mg	0.19 [-0.10, 0.48]	
Daood, 2022	57			
Howlett, 2017	19	Methylphenidate 20mg	0.11 [0.01, 0.21] 0.27 [–0.26, 0.81]	
		Methylphenidate 40mg		
Addicott, 2021	22	Methylphenidate 40mg	0.38 [-0.03, 0.79]	
Bellebaum, 2017	16, 20	Modafinil 200mg	0.38 [-0.29, 1.04]	
Pessiglione, 2006	13, 13	L-dopa 100mg+25mg	0.75 [-0.04, 1.55]	:
Grimm, 2021	45	L-dopa 100mg+25mg	0.02 [-0.35, 0.39]	
Jansen, 2023	30, 30	L-dopa 100mg+25mg	0.00 [–0.51, 0.51]	<u> </u>
Weis, 2012	27, 28	L-dopa 100mg+35mg	0.04 [-0.49, 0.57]	<u> </u>
Pine, 2010	13	L-dopa 150mg	-0.70 [-1.34, -0.06]	
Michely, 2020	20	L-dopa 150mg	0.80 [0.20, 1.39]	—
Smith, 2024	76, 76	L-dopa 150mg	0.14 [-0.18, 0.46]	
Guitart-Masip, 2012	16, 20	L-dopa 150mg+37.5mg	-0.10 [-0.76, 0.56]	
Beierholm, 2013	30, 30	L-dopa 150mg+37.5mg	0.59 [0.07, 1.11]	-
Guitart-Masip, 2014	30, 29	L-dopa 150mg+37.5mg	-0.30 [-0.82, 0.21]	
Guitart-Masip, 2014	30, 29	L-dopa 150mg+37.5mg	-0.30 [-0.82, 0.21]	<u>.</u>
Chakroun, 2023	31	L-dopa 150mg+37.5mg	-0.17 [-0.63, 0.29]	
Mehta, 2001	18	Bromocriptine 1.25mg	0.47 [-0.10, 1.05]	
Pizzagalli, 2008	11, 13	Pramipexole 0.5mg	-1.42 [-2.32, -0.52]	
Au-Yeung, 2024	19, 18	Pramipexole 1mg/day	0.21 [-0.44, 0.86]	
Halahakoon, 2024	21, 19	Pramipexole 1mg/day	0.68 [0.04, 1.32]	
Kayser, 2012	23	Tolcapone 200mg	0.11 [0.01, 0.20]	
Scholz, 2022	35, 35	Tolcapone 200mg	0.03 [-0.44, 0.50]	
Jocham, 2011	16	Amisulpride 200mg	-0.93 [-1.75, -0.11]	· · · · · · · · · · · · · · · · · · ·
Graf, 2018	17			
·		Amisulpride 200mg/day	0.21 [-0.44, 0.86]	
Jocham, 2014	22	Amisulpride 400mg	0.44 [-0.02, 0.90]	
Kahnt, 2015	27, 24	Amisulpride 400mg	0.24 [-0.31, 0.79]	
Weber, 2016	40, 40	Amisulpride 400mg	-0.58 [-1.02, -0.13]	
Murray, 2019	18, 18	Amisulpride 400mg	-0.04 [-0.69, 0.62]	
Mikus, 2022	38, 35	Amisulpride 400mg	0.38 [-0.08, 0.84]	
Cremer, 2023	23, 22	Amisulpride 400mg	0.59 [-0.00, 1.19]	
Admon, 2017	20, 18	Amisulpride 50mg	0.26 [-0.38, 0.90]	
Frank, 2006	19, 20	Haloperidol 2mg	-0.37 [-1.00, 0.26]	
Wagner, 2020	23, 26	Haloperidol 2mg	-0.53 [-1.10, 0.04]	
Erfanian Abdoust, 2024	62	Haloperidol 2mg	-0.00 [-0.12, 0.12]	•
Abler, 2007	8	Olanzapine 5mg	0.66 [-0.11, 1.42]	. • • • • • • • • • • • • • • • • • • •
Diederen, 2017	19, 19	Sulpiride 600mg	0.58 [-0.07, 1.23]	: • -
Haarsma, 2021	20, 20	Sulpiride 600mg	0.71 [0.07, 1.35]	
Eisenegger, 2014	41, 35	Sulpiride 800mg	-0.05 [-0.50, 0.40]	<u> </u>
Grob, 2012	28, 28	AMPT 40mg/kg	-0.36 [-0.88, 0.17]	
Cox, 2015	10, 10	Phe / Tyr depletion 100g	0.00 [-0.88, 0.88]	
Mehta, 2005	14	Phe / Tyr depletion	-0.17 [-0.88, 0.54]	
Hebart, 2015	35, 34	Phe / Tyr depletion	0.65 [0.17, 1.14]	
Kelm, 2013	15	Phe / Tyr depletion 68.7g	-0.03 [-0.26, 0.20]	
			5.55 [5.26, 5.26]	<u>:</u>
Random-effects meta-ana	ılysis:		0.10 [-0.00, 0.20]	ð
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				:

SMD (95% CI)

-3 -2 -1 0 1 2