

Table 1
Summary of included studies.

Study	N-PD	Duration years	UPDRS-III	ON/OFF state during pain testing	Usual Medication	N-CON	Modality	Testing Site	Pain Measure
Priebe et al. (2016)	23	8.1	18.4 (OFF)	OFF ON	Mixed (L-DOPA = 1; DA agonists = 5; L-DOPA + DA agonists = 17; MAO inhibitors = 9; COMT inhibitors = 2; NMDA blockers = 5)	23	Heat Electrical	Forearm Leg	Pain Threshold Pain Threshold (NFR) Pain Intensity EMG response
Mylius et al. (2016)	14	1.8	22.8 (ON)	OFF	NS but inc. L-DOPA	27	Heat Electrical	Forearm Leg	Pain Threshold Pain Threshold (NFR) Pain Intensity
Allen et al. (2016)	26	–	27.3 ^b (ON)	ON	NS	11	Pressure (type not stated) Heat	Upper Arm Leg	Pain Threshold
Aschermann et al. (2015)	6	6.20	11.2 (ON)	ON	Mixed (levodopa, dopamine agonists, MAO and COMT-inhibitors)	6	Heat	Forearm	Pain Threshold (for moderate pain) Pain Intensity
Aschermann et al. (2015)	6	5.50	15.8 (ON)	ON	Mixed (as above)	6 ^a	Heat	Forearm	Pain Threshold (for moderate pain) Pain Intensity
Chen et al. (2015)	72	4.90	29.5 (OFF) 23.1 (ON)	OFF ON	L-DOPA	35	Electrical	Hand	Sensory Threshold Pain Tolerance
Grashorn et al. (2015)	25	3.70	24.1 (OFF) 20.7 (ON)	OFF ON	Mixed (L-DOPA = 4, L-DOPA+ MAO inhibitors = 2, L-DOPA+ DA agonists = 1; DA agonists = 7; DA agonists + MAO Inhibitors = 9; MAO inhibitors = 2)	30	Heat Cold pressor	Forearm Leg	Pain Threshold (for moderate pain) Pain Intensity
Tan et al. (2015)	14	2.50	21.8 (OFF)	OFF	None	17	Heat	Forearm	Sensory Threshold Pain Threshold
Takeda et al. (2014)	23	5.60	27.0 (ON)	ON	Mixed (L-DOPA = 4, L-DOPA+ DA agonists = 11, MAO inhibitors = 8)	12	Electrical	Hand Leg	Pain Threshold (for moderate pain)

Table 1 (Continued)

Study	N-PD	Duration years	UPDRS-III	ON/OFF state during pain testing	Usual Medication	N-CON	Modality	Testing Site	Pain Measure
Hara et al. (2013)	42	6.50	21.6 (ON)	ON	Mixed (L-DOPA, DA agonists, MAO inhibitors, catechol-Omethyl transferase and amantadine)	17	Electrical	Face	Pain Threshold
Granovsky et al. (2013)	23	6.30	23.6 (ON)	OFF ON	Mixed (L-DOPA = 11, DA agonists = 17, MAO inhibitors = 19, Anticholinergics = 8, Amantadine = 14)	19	Heat Pressure (<i>von Frey filaments</i>)	Hand Forearm	Pain Threshold Pain Intensity
Vela et al. (2012)	18	11.60	34.5 (OFF) 22.1 (ON)	OFF ON	Mixed (L-DOPA, DA agonists)	18	Pressure (<i>algometer</i>) Heat Cold	Neck Head Hand Leg	Pain Threshold
Ciampi de Andrade et al. (2012)	25	15.10	42.7 (OFF) 25.8 (ON - via DBS)	OFF ON	L-DOPA	35	Heat Cold Pressure (<i>von Frey filaments</i>)	Hand	Sensory Threshold Pain Threshold Pain Intensity
Stamelou et al. (2012)	19	6.70	22.4 (ON)	OFF	L-DOPA (no details on other medications)	17	Heat Electrical	Forearm Leg	Pain Threshold (NFR) Pain Threshold
Mylius et al. (2011)	29	7.40	25.6 (ON)	OFF	L-DOPA (no details on other medications)	27	Electrical Heat	Forearm Leg	Pain Threshold (NFR)
Maruo et al. (2011)	17	15.50	36.3 (ON)	ON	L-DOPA, DA agonists (no details on other medications)	14	Cold Heat	Hand	Sensory Threshold Pain Threshold
Zambito et al. (2011)	106	5.70	23.5 (OFF)	OFF	Mixed (L-DOPA = 38; DA agonists = 19; L-DOPA + DA agonists = 49)	51	Electrical	Hand Foot	Sensory Threshold Pain Threshold Pain Tolerance

