

Table 1. Demographic and clinical characteristics of participants in the 13 included studies (14 datasets)

Study	Modality/Analysis	Number (female)		Mean age (y)		Age at onset (y)	Duration (y)	TRS	Medication	Head tremor	Resting tremor	MMSE	Threshold	Quality score
		ET	HC	ET	HC									
Jenkins et al., 1993	PET/rCBF	11(5)	8(4)	63.8	57.1	NA	25.8	NA	F	NA	0	NA	Corrected	8.5
Wills et al., 1994	PET/rCBF	7(3)	6(NA)	49.4	51.1	NA	20.4	NA	F	0	0	NA	Corrected	7.5
Czarnecki et al., 2011	SPECT/rCBF	5(3)	5(3)	67.4	61.0	NA	12.6	NA	M	0	0	NA	Uncorrected	9
Fang et al., 2013	rs-fMRI/ReHo	20(8)	20(8)	50.3	50.3	35.3	14.6	21.1	N	5	NA	26.0	Corrected	9.5
P. Wang et al., 2015	rs-fMRI/ALFF	7(3)	10(0)	48.1	62.8	39.0	NA	NA	M	NA	NA	NA	Uncorrected	9.5
Ha et al., 2015	PET/rCMRglu	17(0)	23(0)	67.3	65.4	57.6	9.8	15.1	M	NA	NA	NA	Uncorrected	9.5
Benito-León et al., 2015	rs-fMRI/ICA	23(12)	22(12)	63.3	60.6	NA	22.9	29.3	NA	NA	NA	NA	Uncorrected	10
Fang et al., 2015	rs-fMRI/ICA	35(13)	35(13)	46.8	44.4	34.0	12.8	12.7	N	5	5	27.1	Corrected	10
Yin et al., 2016	rs-fMRI/ALFF	24(12)	23(11)	46.4	47.2	36.8	9.6	NA	N	7	NA	NA	Corrected	10
L. Wang et al., 2018 ^a	rs-fMRI/ALFF	20(13)	27(12)	51.0	45.8	36.3	14.7	18.1	N	20	NA	28.5	Corrected	10
		27(11)	27(12)	45.0	45.8	32.8	12.2	17.6	N	0	NA	28.6	Corrected	10
P. Wang et al., 2018	rs-fMRI/FOCA	17(7)	17(9)	46.9	46.8	35.7	11.2	NA	M	5	NA	26.6	Corrected	9
Song et al., 2013	SPECT/rCBF	23(14)	33(23)	64.4	66.9	56.0	8.5	10.2	NA	10	NA	27.6	Uncorrected	9.5
Li et al., 2020	rs-fMRI/ALFF	50(34)	25(17)	46.4	49.9	33.0	13.8	17.8	N	5	19	23.2	Corrected	10

^a two data sets included.

Abbreviations: ET, essential tremor; HC, healthy control; y, years; rs-fMRI, resting-state functional magnetic resonance imaging; PET, positron emission tomography; SPECT, single photon emission computed tomography; rCBF, regional cerebral blood flow; ALFF, amplitude of low-frequency fluctuation; ReHo, regional homogeneity; FOCA, four-dimensional (spatiotemporal) consistency of local neural activities; ICA, independent component analysis; TRS, Fahn-Tolosa-Marin Tremor Rating Scale; MMSE, Mini-Mental State Exam; NA, not available; Medication status: M, on medication; F, medication-free, comprising N, medication-naive and W, medication washout.