

Table S10

Parkinson's disease: Study Design Details and Participant Characteristics for Voice Therapy as a Treatment Modality

Source	N	Study design	Sex (% female)	Age range (years)	Dysarthria type	Inclusion/exclusion criteria	Inferential statistics	Power analysis	Control group	Baseline data collected	Control intervention	Number of treatment sessions	Mode of treatment delivery	Home exercise plan	Patient-reported outcomes	Treatment effect size
Chang et al. (2019)	11	Prospective, quasi-experimental	36.35%	NR	NR	Inclusion: <ul style="list-style-type: none"> No neurological disease other than PD No history of speech disorder Normal/corrected vision 	Yes	No	No	Yes – single baseline	No	12 (4 weeks)	Telepractice, individual	No	Yes	No
de Angelis et al. (1997)	20	Prospective, quasi-experimental	15.00%	48-85	NR	Inclusion: <ul style="list-style-type: none"> Oral communication complaints Exclusion: <ul style="list-style-type: none"> Hoehn & Yahr stage I or V Inability to participate in treatment 	Yes	No	No	Yes – single baseline	No	13 (3 sessions p/week for 1 month)	In person, individual	Yes	Yes	No
de Lira et al. (2020)	30	Prospective, quasi-experimental	50.00%	NR	NR	Inclusion: <ul style="list-style-type: none"> Preserved autonomy Exclusion: <ul style="list-style-type: none"> Cognitive difficulties Pharyngolaryngeal infections Regular LSVT LOUD® Neurosurgical intervention 	Yes	No	No	Yes – single baseline	No	1	In person, individual	No	Yes	No
Gupta et al. (2008)	18	Prospective, quasi-experimental	Not reported	NR	NR	Not reported	Yes	No	No	Yes – single baseline	No	Group 1: 16 (2 sessions p/week) Group 2: 23 (1 session p/week for 8 months) Group 3: 9 (1 session p/week for 9 weeks)	In person, group	Yes	No	No

Supplemental material, Perry et al., “Behavioral Management of Respiratory/Phonatory Dysfunction for Dysarthria Associated With Neurodegenerative Disease: A Systematic Review,” *AJSLP*, https://doi.org/10.1044/2023_AJSLP-23-00274

Scott & Caird (1984)	11	Prospective, quasi-experimental	45.40%	49-83	NR	NR	Yes	No	No	Yes – multiple baselines	Yes	10 (1 hour sessions over 2 weeks)	In person, individual	No	No	No
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Note. PD, Parkinson’s disease; LSVT LOUD®, Lee Silverman Voice Treatment. NR, not reported.