

Table S8

Parkinson's disease: Study Design Details and Participant Characteristics for Biofeedback 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
Johnson & Pring (1990)	12	Prospective, quasi-experimental	17.00%	59-72	NR	Inclusion 1	Yes	No	Yes	Yes – multiple baselines	No	10 sessions over 4 weeks	In person, individual	Yes	No	No
Schalling et al. (2013)	6	Prospective, quasi-experimental	16.60%	64 - 73	NR	Inclusion 1: <ul style="list-style-type: none"> • Reduced volume • Ability to increase volume without abusing voice (per SLP) • No voice training since onset of PD 	Yes	No	No	Yes – multiple baselines	No	1 – 7 days of active biofeedback	Biofeedback device worn outside of clinic only	No	Yes	No
Searl & Dietrich (2015)	20	Prospective, quasi-experimental	45.00%	47-89	NR	NR	Yes	No	Yes	Yes – single baseline	No	5 days	Biofeedback device worn outside of clinic only	Yes	Yes	No

Note. PD, Parkinson's disease. SLP, Speech-language Pathologist. NR, not reported. Inclusion criteria: ¹Parkinson's disease.