

Supplementary table 1 Spousal characteristics in route 1 (n = 57) according to PD-MCI, PDD and DLB

Diagnosis	ANOVA					Post hoc test	
	m (SD)			F	P	p	
	PD-MCI (n = 18)	PDD (n = 25)	DLB (n = 14)	df (2,54)		PD-MCI vs PDD	PD-MCI vs DLB
Years caring	3.94 (3.29)	6.30 (4.81)	4.96 (5.51)	1.41	.252	n.s.	n.s.
Hours caring pw	89.82 (71.68)	100.98 (67.44)	106.00 (62.12)	.24	.785	n.s.	n.s.
RSS	30.94 (10.37)	25.88 (11.59)	25.36 (13.08)	1.27	.289	n.s.	n.s.
ZBI	24.88 (14.18)	34.30 (13.70)	33.00 (17.54)	2.27	.113	n.s.	n.s.
BRS	3.80 (0.72)	3.73 (0.87)	3.84 (0.76)	.14	.869	n.s.	n.s.
HADS-anxiety	4.89 (3.92)	6.32 (4.02)	6.43 (5.32)	.71	.496	n.s.	n.s.
HADS-depress.	3.06 (2.39)	5.16 (4.17)	5.50 (5.43)	1.87	.164	n.s.	n.s.
SF-12-PCS	49.53 (12.13)	48.92 (9.78)	49.03 (11.67)	.02	.983	n.s.	n.s.
SF-12-MCS	50.41 (12.36)	48.53 (7.50)	43.13 (12.97)	1.95	.153	n.s.	n.s.
EQ5D-index §	0.80 (0.25)	0.82 (0.20)	0.77 (0.21)	.23	.796	n.s.	n.s.
EQ5D-VAS §	73.89 (15.58)	75.61 (18.95)	75.04 (14.74)	.05	.947	n.s.	n.s.
Rel.SS	18.83 (8.85)	23.84 (11.22)	24.14 (10.79)	1.49	.235	n.s.	n.s.
DRS-interaction	9.72 (3.91)	8.16 (2.94)	9.79 (2.36)	1.77	.181	n.s.	n.s.
DRS-strain	3.80 (3.18)	6.43 (2.91)	5.00 (2.51)	4.33	.018	.015[†]	n.s.
FCR-resentment	2.14 (0.86)	2.52 (0.95)	2.43 (0.98)	.88	.420	n.s.	n.s.
FCR-anger	1.54 (0.61)	2.04 (0.74)	1.96 (0.88)	2.552	.087	n.s.	n.s.

Notes: † - Hochberg's GT2 post hoc test; ‡ - Games-Howell post hoc test; §- winsorized.

Abbreviations: ANOVA – analysis of variance; BRS – Brief Resilience Scale; df – degrees of freedom; DLB – Dementia with Lewy bodies; DRS – Dyadic Relationship Scale, positive interaction or negative strain sub-scale; EQ5D – EuroQoL-5D index or visual analogue scale (VAS); FCR – Family Caregiving Role scale; HADS – Hospital Anxiety and Depression Scale; IQR – interquartile range; n.s. – not significant; PDD – Parkinson disease dementia; PD-MCI – Parkinson disease and mild cognitive impairment; pw – per week; Rel.SS – Relatives' Stress Scale; RSS – Relationship Satisfaction Scale; SD – standard deviation; SF-12 – Short Form 12 Health Survey, physical health (PCS) or mental health (MCS) sub-scale; ZBI – Zarit Burden Interview.

Supplementary table 2 Spousal characteristics in route 2 (n = 79) according to PD-MCI, PDD and DLB

Diagnosis	ANOVA					Post hoc test	
	m (SD)			F	P	p	
	PD-MCI (n = 19)	PDD (n = 25)	DLB (n = 35)	df (2,76)		PD-MCI vs PDD	PD-MCI vs DLB
Years caring	5.37 (3.35)	9.17 (6.09)	3.17 (2.00)	16.28	.000	0.008[†]	n.s.
Hours caring pw	65.03 (55.67)	112.56 (59.36)	95.25 (57.61)	3.69	.030	0.025[‡]	n.s.
RSS	26.53 (10.65)	19.08 (11.98)	23.77 (11.75)	2.39	.098	n.s.	n.s.
ZBI	31.26 (13.84)	41.81 (13.54)	39.84 (16.31)	3.00	.056	n.s.	n.s.
BRS	3.51 (0.81)	3.29 (0.62)	3.31 (0.86)	.50	.611	n.s.	n.s.
HADS-anxiety	6.53 (3.66)	9.44 (4.13)	9.54 (4.70)	3.46	.036	n.s.	.047[†]
HADS-depress.	3.84 (2.65)	7.76 (3.29)	7.54 (3.93)	8.67	.000	.000[‡]	.000[‡]
SF-12-PCS	54.26 (7.68)	49.28 (11.60)	51.07 (11.17)	1.21	.305	n.s.	n.s.
SF-12-MCS	46.25 (8.00)	41.21 (9.33)	41.94 (10.40)	1.73	.184	n.s.	n.s.
EQ5D-index §	0.85 (0.12)	0.69 (0.26)	0.77 (0.18)	3.65	.031	.023[‡]	n.s.
EQ5D-VAS §	81.95 (13.62)	74.84 (17.27)	72.95 (17.17)	1.90	.157	n.s.	n.s.
Rel.SS	24.32 (9.72)	32.04 (8.92)	27.86 (10.74)	3.32	.041	.038[†]	n.s.
DRS-interaction	10.97 (3.19)	8.76 (3.14)	9.44 (3.08)	2.77	.069	n.s.	n.s.
DRS-strain	4.92 (3.27)	5.66 (4.03)	5.90 (3.34)	.48	.622	n.s.	n.s.
FCR-resentment	2.60 (0.69)	3.31 (0.82)	3.10 (1.00)	3.65	.031	.028[†]	n.s.
FCR-anger	1.83 (0.81)	2.19 (0.98)	2.09 (0.82)	.97	.383	n.s.	n.s.

Notes: [†] - Hochberg's GT2 post hoc test; [‡] - Games-Howell post hoc test; §- winsorized.

Abbreviations: ANOVA – analysis of variance; BRS – Brief Resilience Scale; df – degrees of freedom; DLB – Dementia with Lewy bodies; DRS – Dyadic Relationship Scale, positive interaction or negative strain sub-scale; EQ5D – EuroQoL-5D index or visual analogue scale (VAS); FCR – Family Caregiving Role scale; HADS – Hospital Anxiety and Depression Scale; IQR – interquartile range; n.s. – not significant; PDD – Parkinson disease dementia; PD-MCI – Parkinson disease and mild cognitive impairment; pw – per week; Rel.SS – Relatives' Stress Scale; RSS – Relationship Satisfaction Scale; SD – standard deviation; SF-12 – Short Form 12 Health Survey, physical health (PCS) or mental health (MCS) sub-scale; ZBI – Zarit Burden Interview.