

Supplementary Table 2. Comparison of pain characteristics between specific groups of people with Parkinson's disease

	Male (n = 137)	Female (n = 55)	p value	EOPD (≤50 yr) (n = 66)	LOPD (>50 yr) (n = 126)	p value
KPPS-Arabic total score	25 (12–43)	29 (12–43)	0.137	23 (12.50–40.50)	28.5 (17.25–40.25)	0.211
Item 1: Pain around joints (musculoskeletal)	3 (1–6)	4 (2–6)	0.017	2 (1–6)	4 (2–6)	0.142
Item 2: Pain deep within the body	1 (0–4)	2 (0–4)	0.623	0.5 (0–4.50)	2 (0–4)	0.066
Item 3: Pain related to internal organ	1 (0–2)	1 (0–2)	0.542	1 (0–2)	1 (0–2)	0.645
Item 4: Dyskinetic pain	1 (0–4)	2 (0–4)	0.540	0 (0–4)	2 (0–4)	0.139
Item 5: "Off" dystonia in a region	1 (0–4)	2 (0–4)	0.360	2 (0–4.50)	1 (0–4)	0.325
Item 6: Generalized "off" period pain	0 (0–3.50)	1 (0–4)	0.061	0 (0–4)	1 (0–4)	0.100
Item 7: PLM or RLS-associated pain	2 (0–4)	2 (0–4)	0.861	2 (0–4)	2 (0–4)	0.801
Item 8: Pain while turning in bed	2 (0–6)	3 (0–6)	0.179	2 (0–6)	3 (0–6)	0.736
Item 9: Pain when chewing	0 (0–2)	1 (0–2)	0.214	0 (0–2)	0 (0–2)	0.067
Item 10: Pain due to grinding teeth	0 (0–1)	0 (0–1)	0.350	0 (0–2)	0 (0–1)	0.770
Item 11: Burning mouth syndrome	0 (0–1)	0 (0–2)	0.328	0 (0–0.25)	0 (0–2)	0.013
Item 12: Burning pain in the limbs	0 (0–2)	2 (0–4)	0.005	0 (0–2)	1 (0–4)	0.008
Item 13: Lower abdominal pain	0 (0–2)	1 (0–2)	0.827	0 (0–2)	0 (0–2)	0.854
Item 14: Shooting pain/pins and needles	1 (0–4)	2 (0–4)	0.726	0.5 (0–3.25)	2 (0–4)	0.123
KPPS-Arabic domains						
Domain1_Musculoskeletal pain	3 (1–6)	4 (2–6)	0.017	5 (1–6)	6 (2–6)	0.059
Domain2_Chronic pain	3 (1–6)	4 (1–6)	0.782	2 (0–6)	4 (1–6)	0.142
Domain3_Fluctuation-related pain	5 (1–12)	7 (4–10)	0.145	2 (0–12)	4 (2–10)	0.145
Domain4_Nocturnal pain	5 (0.50–9.50)	6 (3–8)	0.558	5 (1–9.25)	6 (1–8)	0.660
Domain5_Oro-facial pain	2 (0–4)	2 (0–5)	0.386	5.5 (0–4)	5 (0–5)	0.837
Domain6_Discoloration; oedema/swelling	2 (0–4)	3 (2–5)	0.055	1 (0–4)	2 (0.25–5)	0.228
Domain7_Radicular pain	1 (0–4)	2 (0–4)	0.726	2 (0–3.25)	3 (0–4)	0.065
Total domains of KPPS-Arabic	5 (4–6.50)	6 (5–7)	0.005	0.5 (3–6)	2 (4–7)	0.123
Domain1_Musculoskeletal pain*	105 (76.6)	50 (90.9)	0.023	52 (78.8)	103 (81.7)	0.622
Domain2_Chronic pain*	104 (75.9)	43 (78.2)	0.737	47 (71.2)	100 (79.4)	0.205
Domain3_Fluctuation-related pain*	105 (76.6)	51 (92.7)	0.010	50 (75.8)	106 (84.1)	0.158
Domain4_Nocturnal pain*	103 (75.2)	47 (85.5)	0.120	54 (81.8)	96 (76.2)	0.370
Domain5_Oro-facial pain*	80 (58.4)	38 (69.1)	0.169	38 (57.6)	80 (63.5)	0.424
Domain6_Discoloration; oedema/swelling*	93 (67.9)	46 (83.6)	0.027	44 (66.7)	95 (75.4)	0.199
Domain7_Radicular pain*	77 (56.2)	36 (65.5)	0.239	34 (51.5)	79 (62.7)	0.135
KPPQ-Arabic prevalence						
KPPQ-Arabic total score	7 (4.50–10)	8 (6–10)	0.273	7 (5–9)	8 (5–10)	0.108
KPPQ-Arabic items						
Q. 1: Pain around joints (musculoskeletal)*	105 (76.6)	50 (90.9)	0.023	52 (78.8)	103 (81.7)	0.622
Q. 2: Pain related to internal organ*	78 (56.9)	28 (50.9)	0.448	35 (53.0)	71 (56.3)	0.660
Q. 3: Lower abdominal pain*	67 (48.9)	28 (50.9)	0.802	30 (45.5)	65 (51.6)	0.420
Q. 4: Pain deep within the body*	71 (51.8)	32 (58.2)	0.425	32 (48.5)	71 (56.3)	0.299
Q. 5: Dyskinetic pain*	73 (53.3)	34 (61.8)	0.282	32 (48.5)	75 (59.5)	0.144
Q. 6: "Off" dystonia in a region*	81 (59.1)	40 (72.7)	0.078	37 (56.1)	84 (66.7)	0.148
Q. 7: Generalized "off" period pain*	61 (44.5)	30 (54.5)	0.209	26 (39.4)	65 (51.6)	0.108
Q. 8: PLM or RLS-associated pain*	78 (56.9)	33 (60.0)	0.697	40 (60.6)	71 (56.3)	0.571
Q. 9: Pain while turning in bed*	83 (60.6)	35 (63.6)	0.694	40 (60.6)	78 (61.9)	0.861
Q. 10: Pain when chewing*	47 (34.3)	24 (43.6)	0.226	22 (33.3)	49 (38.9)	0.449
Q. 11: Pain due to grinding teeth*	53 (38.7)	14 (25.5)	0.082	23 (34.8)	44 (34.9)	0.992
Q. 12: Burning mouth syndrome*	39 (28.5)	20 (36.4)	0.284	15 (22.7)	44 (34.9)	0.082
Q. 13: Burning pain in the limbs*	60 (43.8)	31 (56.4)	0.115	29 (43.9)	62 (49.2)	0.488
Q. 14: Shooting pain/pins and needles*	73 (53.3)	33 (60.0)	0.398	34 (51.5)	72 (57.1)	0.456
Reported pains by KPPQ*-Arabic	134 (97.8)	54 (98.2)	0.871	65 (98.5)	123 (97.6)	0.690

Values are presented as n (%) or median (interquartile range). p value is significant if <0.05 (Mann–Whitney test).

*chi-square test was used.

EOPD, early onset Parkinson's disease; LOPD, late onset Parkinson's disease; KPPS, King's Parkinson's Disease Pain Scale; KPPQ, King's Parkinson's Disease Pain Questionnaire; PLM, periodic limb movements; RLS, restless legs syndrome.