

Supplemental Table 1. Clinical group comparisons on outcome variables

	<b>PD vs. aP</b>	<b>PD vs. ALS</b>	<b>aP vs. ALS</b>
	<i>q<sub>s</sub></i>	<i>q<sub>s</sub></i>	<i>q<sub>s</sub></i>
	<i>p</i>	<i>p</i>	<i>p</i>
	<i>g</i>	<i>g</i>	<i>g</i>
MoCA	3.72	1.59	-2.12
(Total Score)	0.001	0.25	0.15
	0.85	0.42	0.49
MoCA	0.54	0.48	-0.05
(Z Score)	0.18	0.27	0.98
	0.47	0.40	0.04
BDI-II	-3.47	-0.14	3.33
	0.17	0.99	0.30
	0.39	0.02	0.47
STAI	-1.50	0.56	2.05
	0.788	0.97	0.72
	0.14	0.06	0.23
AES-S	4.36	0.80	-3.57
	0.05	0.91	0.23
	0.54	0.11	0.39
AES-O	6.37	4.65	-1.72
	0.04	0.20	0.83
	0.98	0.52	0.15
SF-36 PF	12.09	14.34	2.27
	0.001	<0.001	0.82

	0.89	1.07	0.16
SF-36 RP	13.00	11.84	-1.16
	<0.001	<0.001	0.93
	1.09	0.94	0.09
SF-36 BP	-2.82	-1.82	1.00
	0.55	0.80	0.95
	0.23	0.16	0.09
SF-36 GH	8.47	9.38	0.91
	0.001	0.001	0.94
	0.86	1.03	0.09
SF-36 VT	5.36	4.12	-1.23
	0.09	0.26	0.91
	0.49	0.41	0.10
SF-36 SF	3.26	9.34	6.08
	0.56	0.02	0.23
	0.23	1.59	0.45
SF-36 RE	7.18	8.87	1.70
	0.18	0.09	0.93
	0.42	0.49	0.10
SF-36 MH	3.58	1.22	-2.36
	0.25	0.86	0.64
	0.35	0.14	0.23

Note:  $q_s$  = Tukey's HSD;  $g$  = Hedge's  $g$ ; MoCA = Montreal Cognitive Assessment; BDI-II = Beck Depression Inventory, 2<sup>nd</sup> Edition; STAI = State-Trait Anxiety Inventory, Trait Only; AES = Apathy Evaluation Scale, Self and Other; SF-36 = 36 Item Short-Form Survey; PF = Physical Functioning; RP = Role-Physical; BP = Bodily Pain; GH = General Health; VT = Vitality; SF = Social Functioning; RE = Role-Emotional; MH = Mental Health