

**Table S1** Comparisons of baseline PROMs among 31 patients who did not complete follow-up scores after ACT versus 63 patients who did

PROM	Construct	Excluded patients (n=31) (missing follow-up PROMs)	Included patients (n=63)	P value
PHQ-9	Depression	12.7±6.9	11.3±6.5	0.32
PHQ-15	Somatization	13.2±4.3	12.2±4.6	0.32
TSK	Kinesiophobia	42.4±7.9	43.9±9.5	0.44
PCS	Catastrophizing	29.8±13.3	26.9±14.4	0.35
GAD-7	Anxiety	8.2±5.7	7.7±6.3	0.69
PCL-5	PTSD	17.2±20.6	18.7±18.4	0.73
IEQ	Injustice	23.4±11.1	22.3±12.4	0.68
PDI	Pain disability	46.8±13.7	40.8±14.4	0.06

Data are presented as mean ± standard deviation. ACT, acceptance and commitment therapy; GAD-7, Generalized Anxiety Disorder 7 item; IEQ, Injustice Experience Questionnaire; PCS, Pain Catastrophizing Scale; PCL-5, PTSD Checklist for DSM-5; PHQ-9, Patient Health Questionnaire 9 item; PHQ-15, Patient Health Questionnaire 15 item; PDI, Pain Disability Index; PROMs, patient-reported outcome measures; PTSD, post-traumatic stress disorder; TSK, Tampa Scale for Kinesiophobia.

**Table S2** Comparisons of baseline PROMs among 13 patients who were judged not to require ACT versus 63 patients who underwent ACT

PROM	Construct	Excluded patients (n=13) (did not require ACT)	Included patients (n=63)	P value
PHQ-9	Depression	5.4±3.2	11.3±6.5	<0.01
PHQ-15	Somatization	8.5±3.6	12.2±4.6	0.01
TSK	Kinesiophobia	36.5±9.6	43.9±9.5	0.01
PCS	Catastrophizing	17.2±11.2	26.9±14.4	0.02
GAD-7	Anxiety	3.8±2.5	7.7±6.3	0.03
PCL-5	PTSD	7.6±8.6	18.7±18.4	0.04
IEQ	Injustice	13.5±6.4	22.3±12.4	0.02
PDI	Pain disability	29.3±16.2	40.8±14.4	0.01

Data are presented as mean ± standard deviation. ACT, acceptance and commitment therapy; GAD-7, Generalized Anxiety Disorder 7 item; IEQ, Injustice Experience Questionnaire; PCS, Pain Catastrophizing Scale; PCL-5, PTSD Checklist for DSM-5; PHQ-9, Patient Health Questionnaire 9 item; PHQ-15, Patient Health Questionnaire 15 item; PDI, Pain Disability Index; PROMs, patient-reported outcome measures; PTSD, post-traumatic stress disorder; TSK, Tampa Scale for Kinesiophobia.