

Appendix 3

Primary and secondary outcomes APSOQ-R: Treatment means, standard errors of the means (SEM), 95% confidence intervals (CI) for the differences between the means and P-values from the F-tests for the treatment main effect

Outcome	Control Mean	Control SEM	Intervention Mean	Intervention SEM	Difference (I – C)	95% CI LL	95% CI UL	P-value
Primary Outcome NRS worst pain in the last 24 hours	7.059	0.279	6.047	0.334	-1.012	-1.943	-0.081	0.037
Secondary Outcomes APSOQ-R Least pain in last 24 hours	2.401	0.240	2.675	0.291	0.274	-0.569	1.118	0.485
APSOQ-R How often were you in severe pain in the last 24 hours?	31.716	2.867	25.598	3.521	-6.118	-16.462	4.227	0.212
APSOQ-R How much did pain interfere or prevent you from doing activities in bed such as turning, sitting up, repositioning	5.964	0.332	5.022	0.410	-0.942	-2.135	0.250	0.108
APSOQ-R How much did pain interfere or prevent you from doing activities out of bed such as walking, sitting in chair, standing at the sink	5.322	0.432	4.736	0.510	-0.586	-1.820	0.648	0.303
APSOQ-R How much did pain interfere or prevent you from falling asleep	3.633	0.265	3.718	0.305	0.085	-0.837	1.008	0.837
APSOQ-R How much did pain interfere or prevent you from staying asleep	3.747	0.321	3.866	0.386	0.119	-1.041	1.279	0.818
APSOQ-R How much did pain cause you to feel anxious	3.953	0.357	3.397	0.441	-0.556	-1.905	0.794	0.361
APSOQ-R How much did pain cause you to feel depressed	2.485	0.235	2.311	0.268	-0.174	-0.878	0.529	0.626
APSOQ-R How much did pain cause you to feel frightened	2.470	0.285	2.112	0.325	-0.358	-1.064	0.347	0.318
APSOQ-R How much did pain cause you to feel helpless	3.647	0.270	3.136	0.308	-0.521	-1.327	0.286	0.205

Outcome	Control Mean	Control SEM	Intervention Mean	Intervention SEM	Difference (I – C)	95% CI LL	95% CI UL	P-value
APSOQ-R Have you had any of the following side effects – nausea	4.015	0.450	3.127	0.501	-0.888	-1.780	0.004	0.051
APSOQ-R Have you had any of the following side effects – drowsiness	4.803	0.267	4.551	0.311	-0.252	-1.197	0.693	0.556
APSOQ-R Have you had any of the following side effects – itching	1.866	0.348	2.165	0.390	0.299	-0.431	1.029	0.421
APSOQ-R Have you had any of the following side effects – dizziness	2.924	0.307	2.728	0.370	-0.196	-1.290	0.898	0.694
APSOQ-R In the last 24 hours how much pain relief have you received?	7.075	0.200	7.670	0.229	0.595	-0.003	1.194	0.051
APSOQ-R Were you allowed to participate in decisions about your pain treatment as much as you wanted to?	6.647	0.398	6.557	0.496	-0.090	-1.542	1.361	0.890
APSOQ-R How satisfied are you with your pain treatment while in hospital?	8.232	0.213	8.513	0.258	0.281	-0.495	1.057	0.427
APSOQ-R How useful was the information received about pain	7.925	0.213	7.306	0.242	-0.619	-1.257	0.018	0.057
APSOQ-R How often did the nurse encourage you to use non- medicine methods [for pain treatment]?	1.731	0.101	1.855	0.127	0.124	-0.261	0.509	0.469