

Supplemental Digital Content 4. Multivariate Analysis of Total Postoperative Opioid

Consumption (Linear Regression, Full Model from Table 4 of Article) after Excluding Patients

Taking Opioids Preoperatively

	Estimate (regression coefficient)	SE	Test Statistic	P value
(Intercept)	5.83	0.35	16.76	<0.00000
Age (Years)	-0.028	0.0040	-6.97	<0.00000
Sex Male (vs. Female)	0.093	0.083	1.13	0.26
Race Black (vs. White)	-0.054	0.27	-0.20	0.84
Race Other (vs. White)	-0.43	0.27	-1.60	0.11
BMI	-0.0033	0.0046	-0.73	0.47
Surgical site pain severity (0-10)	-0.062	0.056	-1.10	0.27
Overall body pain severity (0-10)	0.12	0.059	2.02	0.044
Duration of pain in surgical site (days)	-0.000013	0.000020	-0.61	0.54
Neuropathic pain ([-1]-[+38])	0.0016	0.0075	0.21	0.83
Depressive symptoms (0-21)	0.0012	0.034	0.035	0.97
Anxiety symptoms (0-21)	-0.019	0.016	-1.20	0.23
Catastrophizing (0-36)	-0.0025	0.010	-0.25	0.80
Positive affect (0-18)	0.019	0.039	0.50	0.62
Anesthesia - GA + block (vs. GA)	0.31	0.21	1.45	0.15
Anesthesia – GA + neuraxial (vs. GA)	-0.25	0.12	-2.07	0.039
Anesthesia - neuraxial (vs. GA)	-0.39	0.089	-4.41	0.00001
TKA (vs. THA)	0.39	0.092	4.21	0.000903
Length of postoperative stay (Days)	0.17	0.049	3.48	0.00059
Fibromyalgia survey score	0.044	0.012	3.62	0.00035

The model presented in this supplemental table was conducted after excluding patients taking opioids preoperatively and represents the full model of the results displayed in table 4 of the article prior to the variable selection. Total postoperative opioid consumption was converted into oral morphine equivalents (OMEs measured in mg) and log-transformed to improve normality. The full model includes covariates in table 1 from article along with the length of stay (table 2, article). Except for Race Other *versus* White, and the site of pain at baseline, the set of significant variable is the same as in the best model in table 4 from article.

GA = general anesthesia; OME = oral morphine equivalents (mg); THA = total hip arthroplasty;

TKA = total knee arthroplasty; SE = standard error.