Table S1 Mixed-effects multivariable model of surgical supply costs with surgeon as a random effect

Term	Robot-assisted, estimate (95% CI)	Open, estimate (95% CI)
Age	–5 (–11 to 1)	3 (–2 to 8)
Sex	–83(–228 to 72)	68 (–65 to 201)
BMI	9 (–1 to 20)	2 (–7 to 10)
ASA 2	94 (–235 to 422)	–7 (–325 to 313)
ASA 3	284 (–72 to 640)	66 (–269 to 403)
ASA 4	–	–386 (–1,220 to 448)
Pre-op creatinine	179 (–97 to 456)	13 (–146 to 173)
Nephrometry score	46 (6 to 87)	–26 (–64 to 11)

CI, confidence interval; BMI, body mass index; ASA, American Society of Anesthesiologists physical status classification.

Table S2 Mixed-effects multivariable model of length of stay with surgeon as a random effect

Term	Robot-assisted, estimate (95% CI)	Open, estimate (95% CI)
Supply cost ($)	0.0002 (0.00008 to 0.0004)	0.0001 (–0.0002 to 0.0005)
Age	–0.0041 (–0.018 to 0.010)	–0.006 (–0.023 to 0.012)
Sex	–0.066 (–0.44 to 0.31)	–0.35 (–0.82 to 0.12)
BMI	–0.013 (–0.038 to 0.011)	–0.005 (–0.037 to 0.027)
ASA 2	0.29 (–0.51 to 1.09)	0.78 (–0.33 to 1.89)
ASA 3	0.64 (–0.23 to 1.51)	1.16 (–0.010 to 2.34)
ASA 4	–	0.35 (–2.59 to 3.30)
Pre-op creatinine	–0.061 (–0.74 to 0.62)	0.86 (0.30 to 1.42)
Nephrometry score	0.05 (–0.05 to 0.15)	–0.06 (–0.07 to 0.19)

CI, confidence interval; BMI, body mass index; ASA, American Society of Anesthesiologists physical status classification.

Table S3 Mixed-effects multivariable model of perioperative change in serum creatinine with surgeon as a random effect

Term	Robot-assisted, estimate (95% CI)	Open, estimate (95% CI)
Supply cost ($)	–0.0001 (–0.0002 to 0.00004)	–0.00004 (–0.0002 to 0.00008)
Age	0.0004 (–0.004 to 0.008)	0.007 (0.00006 to 0.013)
Sex	0.084 (–0.060 to 0.22)	0.012 (–0.15 to 0.17)
BMI	0.004 (–0.007 to 0.013)	–0.002 (–0.013 to 0.001)
ASA 2	0.05 (–0.28 to 0.41)	–0.20 (–0.68 to 0.29)
ASA 3	0.10 (–0.27 to 0.47)	–0.05 (–0.56 to 0.46)
ASA 4	–	–
Nephrometry score	–0.006 (–0.05 to 0.03)	–0.029 (–0.074 to 0.017)

CI, confidence interval; BMI, body mass index; ASA, American Society of Anesthesiologists physical status classification.