

Appendix

TABLE E-1 VAS Pain Scores at Different Time Points

Time Point†	Mean and Standard Deviation			P Value*			
	Group A (N = 50)	Group B (N = 50)	Group C (N = 50)	A vs. B vs. C	A vs. B	A vs. C	B vs. C
Preop.	4.28 ± 1.26	4.18 ± 1.41	4.08 ± 1.23	0.745	0.701	0.444	0.701
POD 1	3.12 ± 0.87	2.84 ± 1.28	3.60 ± 1.34	0.006	0.239	0.044	0.002
POD 2	2.66 ± 0.80	2.14 ± 1.13	3.12 ± 1.06	<0.001	0.011	0.024	<0.001
POD 3	2.28 ± 0.67	1.88 ± 0.92	2.66 ± 0.99	<0.001	0.021	0.029	<0.001
POD 5	1.74 ± 0.78	1.26 ± 0.49	2.02 ± 0.91	<0.001	0.002	0.063	<0.001
1 mo	0.84 ± 0.65	0.68 ± 0.51	1.02 ± 0.92	0.061	0.263	0.208	0.018
3 mo	0.52 ± 0.54	0.48 ± 0.50	0.64 ± 0.63	0.337	0.723	0.288	0.157
6 mo	0.36 ± 0.48	0.32 ± 0.47	0.40 ± 0.73	0.785	0.728	0.728	0.487

*P values were calculated using 1-way ANOVA and the Tukey post hoc multiple comparison test. †POD = postoperative day.

TABLE E-2 Inflammatory Biomarker Levels at Different Time Points

Time Point†	Mean and Standard Deviation			P Value*			
	Group A (N = 50)	Group B (N = 50)	Group C (N = 50)	A vs. B vs. C	A vs. B	A vs. C	B vs. C
CRP							
Preop.	3.0 ± 2.0	3.0 ± 2.2	3.1 ± 1.8	0.992	0.924	0.903	0.980
POD 1	35.7 ± 16.6	26.0 ± 17.5	48.7 ± 22.9	<0.001	0.012	0.001	<0.001
POD 2	58.0 ± 24.0	42.4 ± 29.4	98.9 ± 48.8	<0.001	0.031	<0.001	<0.001
POD 3	43.1 ± 22.9	30.6 ± 20.6	80.4 ± 40.6	<0.001	0.036	<0.001	<0.001
POD 5	35.1 ± 17.6	25.8 ± 16.9	64.9 ± 34.8	<0.001	0.059	<0.001	<0.001
IL-6							
Preop.	4.4 ± 1.3	4.6 ± 1.2	4.3 ± 1.2	0.526	0.395	0.823	0.283
POD 1	40.0 ± 16.0	28.5 ± 18.0	91.6 ± 23.4	<0.001	0.004	<0.001	<0.001
POD 2	33.6 ± 12.6	21.5 ± 14.7	58.7 ± 15.7	<0.001	<0.001	<0.001	<0.001
POD 3	20.8 ± 9.6	14.1 ± 10.1	30.5 ± 9.6	<0.001	0.001	<0.001	<0.001
POD 5	12.5 ± 5.6	10.7 ± 6.6	18.6 ± 8.1	<0.001	0.201	<0.001	<0.001

*P values were calculated using 1-way ANOVA and the Tukey post hoc multiple comparison test. †POD = postoperative day.

TABLE E-3 Complications

Complications	No. of Patients			P Value*			
	Group A (N = 50)	Group B (N = 50)	Group C (N = 50)	A vs. B vs. C	A vs. B	A vs. C	B vs. C
DVT	0	0	0	—	—	—	—
PE	0	0	0	—	—	—	—
Intramuscular venous thrombosis	6	4	3	0.672	0.741	0.487	1
Superficial infection	1	0	3	0.324	1	0.617	0.242
Wound secretion	6	0	9	0.004	0.027	0.577	0.003
Wound blistering	0	0	3	0.107	—	0.242	0.242

*P values were calculated using the Pearson chi-square test or Fisher exact test.