

Supplementary Table 1: Mean Labs and vital values

Variable	Control (n=54)	Study group (n=56)	P-value
Pre-surgery			
Peak white blood count ($10^3/\text{mm}^3$)	10.7 $\pm$ 3.0	10.8 $\pm$ 3.3	0.92
Peak platelet count ($10^3/\text{mm}^3$)	358 $\pm$ 145	350 $\pm$ 133	0.77
Peak PMNS (%)	49 $\pm$ 17	48 $\pm$ 18	0.88
Peak Bands (%)	3.7 $\pm$ 2.1	2.8 $\pm$ 2.6	0.23
Minimum ABG pH	7.35 $\pm$ 0.05	7.37 $\pm$ 0.04	0.10
Peak ABG lactate (mmol/L)	1.69 $\pm$ 0.83	2.08 $\pm$ 1.13	0.097
Minimum bicarb (mmol/L)	28.4 $\pm$ 3.6	29.1 $\pm$ 4.5	0.47
Peak CRP (mg/L)	15.4 $\pm$ 19.1	12.4 $\pm$ 18.1	0.76
Peak temperature (°F)	98.8 $\pm$ 1.4	98.3 $\pm$ 2.1	0.26
Peak heart rate (BPM)	172 $\pm$ 20	174 $\pm$ 21	0.80
Minimum systolic blood pressure (mmHg)	71 $\pm$ 12	67 $\pm$ 10	0.072
Minimum diastolic blood pressure (mmHg)	35 $\pm$ 10	35 $\pm$ 7	0.91
Minimum mean blood pressure (mmHg)	47 $\pm$ 10	44 $\pm$ 7	0.081
Open Chest period			
Peak white blood count ($10^3/\text{mm}^3$)	14.7 $\pm$ 5.6	17.7 $\pm$ 23.7	0.36
Peak platelet count ($10^3/\text{mm}^3$)	260 $\pm$ 115	269 $\pm$ 92	0.67
Peak PMNS (%)	80 $\pm$ 21	77 $\pm$ 8	0.31

Peak Bands (%)	10.8 ± 16.7	7.8 ± 5.2	0.24
Minimum ABG pH	7.26 ± 0.07	7.28 ± 0.06	0.22
Peak ABG lactate (mmol/L)	5.05 ± 2.08	5.99 ± 2.97	0.059
Minimum bicarb (mmol/L)	20.6 ± 2.3	20.7 ± 3.3	0.82
Peak CRP (mg/L)	31.5 ± 25.1	23.5 ± 29.3	0.55
Peak temperature (°F)	98.6 ± 1.4	98.7 ± 1.2	0.85
Peak heart rate (BPM)	178 ± 23	183 ± 23	0.24
Minimum systolic blood pressure (mmHg)	63 ± 10	62 ± 10	0.66
Minimum diastolic blood pressure (mmHg)	29 ± 6	30 ± 7	0.56
Minimum mean blood pressure (mmHg)	40 ± 7	39 ± 9	0.48
Week 1 post-surgery			
Peak white blood count (10 ³ /mm ³)	13.5 ± 3.62	14.5 ± 4.3	0.21
Peak platelet count (10 ³ /mm ³)	408 ± 173	365 ± 136	0.16
Peak PMNS (%)	75 ± 8	76 ± 11	0.83
Peak Bands (%)	5.0 ± 3.7	4.8 ± 3.1	0.72
Minimum ABG pH	7.32 ± 0.08	7.33 ± 0.07	0.90
Peak ABG lactate (mmol/L)	2.53 ± 1.71	2.76 ± 1.80	0.49
Minimum bicarb (mmol/L)	21.7 ± 3.4	22.1 ± 4.3	0.58
Peak CRP (mg/L)	25.5 ± 13.7	29.5 ± 26.4	0.59
Peak temperature (°F)	99.5 ± 1.0	99.2 ± 0.7	0.05
Peak heart rate (BPM)	175 ± 21	173 ± 14	0.75

Minimum systolic blood pressure (mmHg)	59 ± 11	58 ± 9	0.49
Minimum diastolic blood pressure (mmHg)	30 ± 7	30 ± 6	0.98
Minimum mean blood pressure (mmHg)	39 ± 8	39 ± 7	0.91
Week 2 post-closure to discharge			
Peak white blood count (10 ³ /mm ³)	14.1 ± 4.8	15.0 ± 8.1	0.61
Peak platelet count (10 ³ /mm ³)	476 ± 129	497 ± 184	0.60
Peak PMNS (%)	19 ± 17	17 ± 17	0.55
Peak Bands (%)	4.6 ± 7.4	5.3 ± 8.5	0.74
Minimum ABG pH	7.26 ± 0.38	7.14 ± 0.96	0.54
Peak ABG lactate (mmol/L)	3.28 ± 5.14	3.89 ± 5.69	0.68
Minimum bicarb (mmol/L)	26.3 ± 6.8	25.9 ± 6.4	0.84
Peak CRP (mg/L)	36.4 ± 49.2	51.6 ± 57.5	0.42
Peak temperature (°F)	99.8 ± 1.2	99.5 ± 0.7	0.092
Peak heart rate (BPM)	172 ± 21	184 ± 28	0.041
Minimum systolic blood pressure (mmHg)	61 ± 11	59 ± 11	0.53
Minimum diastolic blood pressure (mmHg)	29 ± 8	28 ± 6	0.66
Minimum mean blood pressure (mmHg)	94 ± 14	97 ± 14	0.34