

Table S2. Intraoperative characteristics (N=8,616).

Factor	LR (N=4,187)		Saline (N=4,429)	
	missing	Statistics	missing	Statistics
FiO ₂ TWA, %	23	56 ± 12	7	56 ± 12
CO ₂ TWA, %	23	34 ± 5.1	7	34 ± 4.9
Temperature TWA, °C	135	36 ± 0.6	140	36 ± 0.6
Intraoperative fluids:				
LR, liters	0	1.9 [1.3, 2.6]	0	0.0 [0.0, 0.0]
Saline, liters	0	0.0 [0.0, 0.0]	0	1.9 [1.3, 2.6]
Intraoperative colloids:				
Albumin, No. (%)	0	758 (18%)	0	878 (20%)
Albumin, cc*	0	500 [500, 750]		500 [500, 750]
Starches, No. (%)**	0	297 (7.1%)	0	287 (6.5%)
Starches, cc*	0	500 [500, 750]	0	500 [500, 500]
Intraoperative blood loss, cc	32	100 [50, 250]	39	100 [50, 250]
Intraoperative blood transfusion:				
RBC, No. (%)	0	146 (3.5%)	0	252 (5.7%)
RBC, cc*	4,041	635 [351, 821]	4,177	624 [350, 759]
Platelets, No. (%)	0	11 (0.3%)	0	14 (0.3%)
Platelets, cc*	4,176	476 [302, 506]	4,415	259 [250, 506]
FFP, No. (%)	0	17 (0.4%)	0	22 (0.5%)
FFP, cc*	4,170	456 [278, 502]	4,404	478 [296, 635]
Lowest intraoperative pH blood gas	4010	7.36 ± 0.05	4230	7.32 ± 0.06
Length of surgery (min)	0	222 [181, 290]	0	222 [179, 286]

Summary statistics presented as N (%) of patients, mean ± SD, or median [Q1, Q3] for factors, symmetric continuous variables, and skewed continuous variables, respectively.

LR, lactated Ringer's; FiO₂, fraction of inspired oxygen; CO₂, carbon dioxide; TWA, time-weighted average; RBC, red blood cells; FFP, fresh frozen plasma.

*The volume of intraoperative colloids and blood transfusion is summarized only for the patients who received corresponding transfusion.

**Starches include Hextend, Hespan and Voluven.