

**Supplemental Digital Content 6: Multivariate Analysis – Pulse Pressure Variation Model
(N = 468)**

	Estimate, % (95% CI)	P-Value
BMI $\geq$ 30	-0.02 (-0.78, 0.74)	0.961
Median Tidal Volume >8 mL/kg IBW	0.29 (-0.41, 0.99)	0.410
Positioning Non-supine for majority of measurement period	0.77 (0.03, 1.51)	0.042
MAP $>20\%$ below baseline for majority of measurement period	0.85 (0.15, 1.54)	0.017
Crystalloid equivalent fluid volume received >1000 mL	-0.23 (-1.10, 0.65)	0.608
Median PIP > 16 cm H ₂ O	0.72 (-0.05, 1.49)	0.068
Median PEEP > 5 cm H ₂ O	0.61 (-0.43, 1.65)	0.251
Age > 57 years	-0.18 (-0.90, 0.55)	0.631
Preoperative ACE inhibitor/ARB	0.41 (-0.43, 1.24)	0.343
Preoperative Beta Blocker	-2.14 (-3.01, -1.27)	<0.001
Preoperative Diuretic	-0.57 (-1.50, 0.36)	0.230

CI = confidence interval; BMI = body mass index; IBW = ideal body weight; PIP = peak inspiratory pressure; PEEP = positive end-expiratory pressure; ACE = angiotensin converting enzyme; ARB = angiotensin receptor blocker; MAP = mean arterial pressure