

**Supplemental Digital Content 5: Multivariate Analysis – Systolic Pressure Variation
Automated Recorded Model (N = 468)**

	Estimate, mmHg (95% CI)	P-Value
BMI $\geq$ 30	-0.02 (-0.48, 0.45)	0.947
Median Tidal Volume >8 mL/kg IBW	0.46 (0.03, 0.89)	0.036
Positioning Non-supine for majority of measurement period	0.64 (0.18, 1.09)	0.006
MAP $>20\%$ below baseline for majority of measurement period	0.21 (-0.22, 0.64)	0.33
Crystalloid equivalent fluid volume received >1000 mL	0.08 (-0.46, 0.62)	0.774
Median PIP > 16 cm H ₂ O	0.71 (0.24, 1.19)	0.003
Median PEEP > 5 cm H ₂ O	0.04 (-0.60, 0.68)	0.911
Age > 57 years	0.36 (-0.08, 0.81)	0.111
Preoperative ACE inhibitor/ARB	0.31 (-0.20, 0.83)	0.234
Preoperative Beta Blocker	-0.88 (-1.41, -0.35)	0.001
Preoperative Diuretic	-0.55 (-1.12, 0.02)	0.058

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