

Supplementary Table 3. Comparison of hemodynamic parameters derived from frequency analysis in relation to fluid requirement and VIS, based on the presence of pulmonary hypertension

	Fluid replacement in ICU				VIS in ICU			
	≤ 10 ml/kg	> 10 ml/kg	Total	P-value	≤ 7	> 7	Total	P-value
Pulmonary hypertension	(n=13)	(n=2)	(n=15)		(n=12)	(n=3)	(n=15)	
ABP-AC%	13.6 (5.7, 19.2)	24.3 (22.1, 26.5)	14.0 (7.5, 20.7)	0.114	13.8 (6.9, 23.5)	18.5 (12.1, 18.9)	14.0 (7.5, 20.7)	0.945
ABP-DC%	16.0 (7.3, 23.6)	28.2 (19.7, 36.7)	17.7 (8.1, 24.2)	0.171	16.9 (8.6, 24.2)	18.2 (12.8, 21.8)	17.7 (8.7, 24.2)	0.840
PPG-AC%	19.3 (8.7, 38.2)	55.8 (5.0, 106.6)	19.3 (6.9, 39.6)	0.686	12.9 (4.9, 31.9)	90.8 (65.9, 93.4)*	19.3 (6.9, 39.6)	0.031
PPG-DC%	28.1 (20.8, 48.8)	96.5 (93.8, 99.1)	37.5 (22.0, 92.8)	0.171	31.9 (19.3, 71.3)	91.8 (59.9, 123.9)	37.5 (22.0, 92.8)	0.233
Compliance (PPG-CF/ABP-CF)	1.4 (0.6, 3.6)	2.5 (0.2, 4.8)	1.4 (0.5, 3.7)	0.800	1.4 (0.3, 2.6)	5.0 (3.6, 10.4)*	1.4 (0.5, 3.7)	0.031
No pulmonary hypertension	(n=51)	(n=10)	(n=61)		(n=47)	(n=14)	(n=61)	
ABP-AC%	13.6 (9.1, 19.9)	19.8 (8.0, 27.4)	13.7 (9.1, 20.0)	0.502	14.7 (9.2, 20.4)	13.5 (8.3, 15.8)	13.7 (9.1, 20.0)	0.450
ABP-DC%	17.9 (14.3, 24.7)	23.1 (14.8, 28.6)	18.1 (14.4, 25.0)	0.365	19.5 (15.0, 25.1)	15.3 (13.5, 20.4)	18.1 (14.4, 25.0)	0.175
PPG-AC%	18.3 (12.3, 26.9)	37.6 (30.1, 73.5)*	21.3 (12.4, 33.5)	0.010	17.1 (12.4, 28.5)	29.6 (22.2, 58.8)	21.3 (12.4, 33.5)	0.051
PPG-DC%	37.8 (24.3, 50.7)	47.9 (40.1, 80.6)	39.5 (25.4, 52.9)	0.069	38.9 (25.0, 47.6)	52.9 (35.0, 113.6)	39.5 (25.4, 52.9)	0.062
Compliance (PPG-CF/ABP-CF)	1.2 (0.9, 2.0)	1.6 (1.2, 7.1)	1.2 (0.9, 2.0)	0.136	1.2 (0.9, 1.7)	2.5 (1.0, 7.1)	1.2 (0.9, 2.0)	0.060

Data were presented median with interquartile range. * P < 0.05. ICU, intensive care unit; VIS, vasoactive inotropic score.