

Supplementary Table 2. The variables for ventilator settings and arterial blood gas measurements during the first prone positioning session

Variable		Baseline	Time P8-12	Time S4-12
Ventilator setting				
Tidal volume (ml/kg PBW)	Diffuse	6.7±1.5	6.6±1.2	6.8±1.7
	Focal	7.1±1.8	6.8±1.3	7.1±1.8
Respiratory rate (breaths/min)	Diffuse	24.4±5.0	26.4±4.9	24.9±4.6
	Focal	24.4±4.9	26.1±5.8	24.4±3.7
PEEP (cm H ₂ O)	Diffuse	10.0 (8.0–12.0)	10.0 (8.5–11.0)	10.0 (8.0–11.0)
	Focal	8.0 (7.0–10.5)	10.0 (7.0–11.5)	10.0 (8.0–12.0)
Driving pressure (cm H ₂ O)	Diffuse	16.9±4.9	18.0±4.3	16.4±5.1
	Focal	17.0±4.8	16.0±4.1*	15.3±4.4
FiO ₂	Diffuse	0.8 (0.6–1.0)	0.6 (0.5–0.8)	0.6 (0.4–0.7)
	Focal	0.9 (0.7–1.0)	0.6 (0.5–0.9)	0.6 (0.4–0.7)
Total minute ventilation (L/min)	Diffuse	9.2 (8.0–10.0)	9.6 (8.4–11.6)	9.6 (8.0–10.8)
	Focal	9.2 (8.4–11.2)	10.8 (8.8–11.0)	9.2 (8.0–11.2)
Dynamic compliance (ml/cm H ₂ O)	Diffuse	21.3 (17.2–28.5)	21.9 (17.2–25.4)	23.2 (18.0–29.9)
	Focal	26.0 (20.0–29.7)	26.1 (20.4–31.7)*	25.3 (21.9–33.8)
Arterial-blood gas				
pH	Diffuse	7.3±0.1	7.4±0.1	7.4±0.1
	Focal	7.3±0.1	7.4±0.1	7.4±0.1
PaO ₂ (mm Hg)	Diffuse	76.5 (64.9–91.0)	97.9 (77.8–121.0)	81.2 (69.9–93.5)
	Focal	68.0 (62.2–76.5)	75.2 (68.8–93.8)*	74.7 (58.1–95.3)
PaO ₂ /FiO ₂ (mm Hg)	Diffuse	104.0 (77.6–135.7)	157.9 (113.3–222.2)	143.9 (112.9–203.1)
	Focal	79.9 (67.7–112.6)*	134.7 (99.2–217.5)	134.4 (102.7–212.0)
PaCO ₂ (mm Hg)	Diffuse	47.0 (37.8–51.5)	44.5 (36.9–51.4)	44.1 (38.5–55.4)
	Focal	44.7 (37.6–53.8)	42.3 (33.9–48.5)	42.7 (36.9–47.3)
Bicarbonate (mmol/L)	Diffuse	23.7 (21.0–27.0)	24.3 (22.3–27.7)	26.0 (21.6–30.1)
	Focal	23.3 (22.1–25.9)	26.1 (22.2–27.1)	24.9 (24.2–29.1)

Values are presented as mean±standard deviation or median (interquartile range). The variables for ventilator settings and arterial blood gases were obtained before initiation of first prone positioning (baseline), approximately 8–12 hours after initiation of prone positioning (time P8-12), and approximately 4–12 hours after resuming the supine position (time S4-12).

PBW: predicted body weight; PEEP: positive end-expiratory pressure; FiO₂: fraction of inspired oxygen; PaO₂: arterial partial pressure of oxygen; PaCO₂: arterial partial pressure of carbon dioxide.

*P<0.05.