

**Supplementary Table 5.** Changes in PaO<sub>2</sub>/FiO<sub>2</sub> ratio and dynamic compliance after the first session of prone positioning in survivors within 28 days according to definition of traditional prone responder

Survivor	Traditional responder			Traditional non-responder		
	Diffuse ARDS (n=31)	Focal ARDS (n=11)	P-value	Diffuse ARDS (n=4)	Focal ARDS (n=2)	P-value
Absolute change in PaO <sub>2</sub> /FiO <sub>2</sub> ratio from baseline to P8-12 (mm Hg)	73.8 (46.1 to 122.7)	75.7 (56.3 to 137.1)	0.714	-4.0 (-36.0 to 5.9)	11.1 (7.7 to 14.5)	0.267
Percentage change in PaO <sub>2</sub> /FiO <sub>2</sub> ratio from baseline to P8-12 (%)	85.3 (51.9 to 108.4)	85.6 (66.6 to 151.0)	0.553	-5.0 (-31.7 to 3.7)	12.4 (10.9 to 13.9)	0.133
Absolute change in dynamic compliance from baseline to P8-12 (ml/cm H <sub>2</sub> O)	0.9 (-2.9 to 3.3)	-1.9 (-4.0 to 4.6)	0.8	-0.1 (-0.8 to 0.2)	-4.4 (-7.7 to -1.1)	0.133
Percentage change in dynamic compliance from baseline to P8-12 (%)	5(-11.3 to 14.3)	-11.5 (-13.9 to 17.0)	0.592	-1.4 (-4.4 to 2.7)	-20.3 (-37.1 to -3.4)	0.267

Values are presented as median (interquartile range).

PaO<sub>2</sub>: arterial partial pressure of oxygen; FiO<sub>2</sub>: fraction of inspired oxygen; ARDS: acute respiratory distress syndrome.