

Table 4 Principal respiratory parameter outcomes in non-randomised studies

Study	Time	PaCO ₂ Reduction (mmHg)	PaO ₂ /FiO ₂ Increase (mmHg)	Pplat ^a Reduction (mmHg)	V _t ^c Reduction	pH Increase
Neirhaus A et al. ²⁸	Day 1	80.0 +/- 23.0	100.0 +/-28.9	34.0 +/-3.0 ^b	292.5 +/-94.0 ^d	7.18 +/-0.22
		to 54.0 +/- 19.0	to 120.7 +/- 51.2	to 28.3 +/-4.0	to 183.0 +/- 67.0	to 7.37 +/- 0.09
Weber-Carstens S et al. ²⁵	NR	120 (81.9-152.5)	121.5 (79.3-178.3)	39 (34.8-43.3)	5.2 (4.4-5.9)	7.06 (6.9-7.3)
		to 60.3 (52.5-69)	to 87 (73-139.3)	to 31.5 (28.8-33.5)	to 3.5 (3.1-4.3) ^e	to 7.38 (7.18-7.48)
Zimmermann M et al. ²⁰	24 hours	73 (61-86)	75 (62-130)	35 (31-38)	6.6 (5.3-7.2)	7.23 (7.16-7.30)
		to 41 (34-48)	to 110 (86-160)	to 30 (26-34)	to 4.4 (3.4-5.4) ^e	to 7.44 (7.37-7.45)
Terragni PP et al. ²¹	NR	47.2 ± 8.6	NR	NR	NR	7.20 ± 0.02
		to 73.6 ± 11.1				to 7.38 ± 0.04
Muellenbach RM et al. ²⁶	12 hours	65.26 (54-72)	61.6 (47.3-85.6)	NR	450 (400-542.5)	7.25 (7.22-7.29)
		to 39.8 (36-42)	to 135.8 (87.8-153)		to 200 (145-250) ^d	to 7.4 (7.37-7.42)
Bein T et al. ²⁷	24 hours	60 (48-80)	58 (47-78)	NR	430 (360-540)	7.27 (7.18-7.36)
		to 34 (30-39)	to 107 (74-142)		to 380 (320-470) ^d	to 7.45 (7.41-7.50)
Liebold A et al. ²⁹	24 hours	59 ± 17	50	NR	NR	NR
		to 32 ± 8	to 110			
Guinard N et al. ²²	NR	NR	NR	NR	NR	NR
Brunet F et al. ²³	NR	66 ± 25	79 ± 21	48 ± 10	622 ± 131	NR
		to 43 ± 6	to 207 ± 108	to 37 ± 5	to 270 ± 60 ^b	
Bindslev et al. ³⁰	NR	NR	NR	NR	NR	NR
Gattinoni L et al. ²⁴	NR	NR	NR	NR	NR	NR

^a Pplat = plateau pressure ^b P_{insp} = Inspiratory pressure, ^c tidal volume ^d units are ml, ^e units are ml/Kg, NR = not recorded

Where in brackets expressed as median (IQR), remainder expressed as mean ± SD