

n = 12	Baseline		CPR 6.5'		CPR 11.5'		CPR 16.5'		ROSC 15'	
	20, 30, 40	40, 30, 20	20, 30, 40	40, 30, 20	20, 30, 40	40, 30, 20	20, 30, 40	40, 30, 20	20, 30, 40	40, 30, 20
pH	7.45 ± 0.01	7.46 ± 0.04	7.19 ± 0.05	7.23 ± 0.02	7.16 ± 0.05	7.20 ± 0.03	7.10 ± 0.05	7.17 ± 0.03	7.17 ± 0.05	7.24 ± 0.04
PaCO ₂	44.7 ± 3.8	44.5 ± 5.9	62.7 ± 7.6	58.3 ± 4.7	64.0 ± 10.7	56.5 ± 7.5	71.5 ± 10.2	59.0 ± 6.0	56.8 ± 7.6	47.3 ± 6.5
PaO ₂	121.5 ± 48.6	83.2 ± 7.4	119.5 ± 43.7	136.2 ± 62.0	119.8 ± 49.3	130.2 ± 62.4	106.8 ± 92.2	134.5 ± 70.7	89.3 ± 20.6	96.0 ± 7.6
HCO ₃ ⁻	30.7 ± 2.5	31.2 ± 2.8	23.8 ± 0.9	24.5 ± 2.3	22.4 ± 1.7	22.1 ± 2.8	22.0 ± 2.0	21.7 ± 2.2	20.3 ± 1.3	20.0 ± 2.3
BE	6.6 ± 2.5	7.3 ± 2.9	-4.4 ± 0.9	-3.1 ± 2.5	-6.3 ± 1.1	-6.0 ± 2.9	-7.5 ± 1.7	-6.8 ± 2.4	-8.3 ± 1.3	-7.5 ± 2.6
SaO ₂	98.0 ± 1.3	95.0 ± 2.8	94.8 ± 5.0	96.0 ± 3.9	92.0 ± 9.8	95.5 ± 4.3	82.7 ± 12.0	95.0 ± 5.1	91.7 ± 6.9	95.8 ± 1.5

Supplementary Table. Arterial blood gas values for Study B, comparing two elevation of the head and thorax sequences during active compression-decompression cardiopulmonary resuscitation with an impedance threshold device. All values are presented as mean ± SD.