Table 2. Study outcomes at intubation

Characteristic	Intention-to-treat analysis		Per-protocol analysis	
	Intervention (n=97)	Control (n=93)	Intervention (n=86)	Control (n=91)
Lowest SpO$_2$ during first attempt, %				
Median (Q1, Q3)	100.0 (96.0, 100.0)	100.0 (91.0, 100.0)	100.0 (99.0, 100.0)	100.0 (91.0, 100.0)
Median diff (95% CI) [P value]	0 (0–4.0) [0.138[a]]		0 (0–1.0) [0.061[a]]	
Lowest SpO$_2$ during all intubation attempts, %				
Median (Q1, Q3)	100.0 (96.0, 100.0)	100.0 (90.5, 100.0)	100.0 (99.0, 100.0)	100.0 (91.0, 100.0)
Median diff (95% CI) [P value]	0 (0–4.0) [0.072[a]]		0 (0–2.5) [0.029[a]]	
Change in SpO$_2$ from baseline to end of preoxygenation, %				
Median (Q1, Q3)	0.5 (0, 3.5)	1.0 (0, 5.0)	0 (0, 3.0)	1.0 (0, 5.0)
Median diff (95% CI) [P value]	-0.5 (-2.0–1.0) [0.633[a]]		-1.0 (-2.0–1.0) [0.500[a]]	
Change in SpO$_2$ from end of preoxygenation to the lowest SpO$_2$ during all intubation attempts, %				
Median (Q1, Q3)	0 (-2.0, 0)	0 (-8.0, 0)	0 (-1.0, 0)	0 (-6.0, 0)
Median diff (95% CI) [P value]	0 (0–1.0) [0.094[a]]		0 (0–0.5) [0.029[a]]	
Number of intubation attempts, no. (%)				
1	80 (82.5)	78 (83.9)	72 (83.7)	76 (83.5)
2	14 (14.4)	9 (9.7)	11 (12.8)	9 (9.9)
≥3	3 (3.1)	6 (6.5)	3 (3.5)	6 (6.6)
P value	0.439[b]		0.648[b]	
Incidence of SpO$_2$ <90%, no. (%)				
At first attempt	15 (15.5)	21 (22.6)	10 (11.6)	19 (20.9)
Adj RR (95% CI) [P value]	0.68 (0.37–1.25) [0.213]		0.55 (0.27–1.10) [0.084]	
At any attempt	15 (15.5)	22 (23.7)	10 (11.6)	20 (22.0)
Adj RR (95% CI) [P value]	0.65 (0.36–1.19) [0.156]		0.52 (0.26–1.04) [0.057]	
Safe apnoea time, min				
Median (95% CI)	10.0 (8.0–U)	7.0 (5.5–12.0)	11.0 (8.0–U)	7.0 (6.0–12.0)
HR (95% CI)	0.57 (0.28–1.12)		0.48 (0.22–1.05)	
P value	0.082[c]	0.104[d]	0.050[c]	0.066[d]
Time to successful intubation, min				
Median (95% CI)	3.0 (3.0–4.0)	3.5 (3.0–4.0)	3.0 (3.0–4.0)	3.0 (3.0–4.0)
HR (95% CI)	0.98 (0.73–1.30)		1.00 (0.74–1.34)	
P value	0.842[c]	0.866[d]	0.940[c]	0.983[d]

Adj RR: adjusted relative risk; CI: confidence interval; HR: hazard ratio; Median diff: median difference; U: unable to be estimated; Q1: 25th percentile; Q3: 75th percentile; SD: standard deviation; SpO$_2$: oxygen saturation

[a] P value from van Elteren test
[b] P value from chi-squared test or Fisher's Exact test if more appropriate
[c] P value from stratified log-rank test
[d] P value from chi-squared test of hazard ratio