Supplementary Table 2. Changes in vital signs depending on time points during induction

Variable	Time	Estimated mean (95% CI)		Estimated difference (95% CI)[a]	P-value
		Mask group (n=26)	HFNC group (n=26)		
SBP (mm Hg)	T0	149.0 (139.5–158.5)	153.9 (144.2–163.6)	4.9 (–8.7 to 18.4)	0.598
	T1	146.2 (136.7–155.7)	150.4 (140.7–160.1)	4.2 (–9.4 to 17.7)	0.658
	T2	148.0 (138.5–157.5)	151.1 (141.4–160.8)	3.0 (–10.5 to 16.6)	0.745
	T3	182.6 (173.1–192.1)[b]	183.4 (173.8–193.1)[b]	0.9 (–12.7 to 14.4)	0.996
DBP (mm Hg)	T0	69.7 (63.3–76.1)	71.0 (64.5–77.5)	0.4 (–8.6 to 9.5)	0.927
	T1	69.4 (63.0–75.8)	70.6 (64.2–77.1)	0.3 (–8.7 to 9.4)	0.947
	T2	72.7 (66.3–79.1)	71.1 (64.6–77.6)	–2.3 (–11.4 to 6.7)	0.617
	T3	89.7 (83.3–96.1)[b]	95.4 (88.9–101.9)[b]	5.4 (–3.7 to 14.5)	0.248
MBP (mm Hg)	T0	97.0 (90.4–103.6)	95.9 (89.3–102.6)	–1.1 (–10.4 to 8.2)	0.662
	T1	97.8 (91.2–104.4)	97.8 (91.2–104.4)	0.0 (–9.3 to 9.3)	0.821
	T2	99.0 (92.4–105.6)	99.1 (92.5–105.8)	0.1 (–9.2 to 9.4)	0.846
	T3	130.8 (124.2–137.4)[b]	130.7 (124.0–137.3)[b]	–0.1 (–9.4 to 9.2)	0.879
HR (BPM)	T0	72.7 (67.3–78.2)	76.0 (70.4–81.5)	3.2 (–4.5 to 11.0)	0.343
	T1	71.3 (65.9–76.7)	76.2 (70.7–81.7)	4.9 (–2.8 to 12.7)	0.202
	T2	70.8 (65.5–76.2)	74.7 (69.2–80.2)	3.8 (–3.9 to 11.6)	0.290
	T3	94.5 (89.1–99.9)[b]	93.0 (87.5–98.5)[b]	–1.5 (–9.2 to 6.2)	0.745

A linear mixed model was used in the statistical analysis. Data are presented as the estimated mean with 95% confidence interval. The P-values of the interactions between the groups and times were 0.939, 0.697, 0.996, and 0.108 for SBP, DBP, MBP, and HR, respectively.

CI: confidence interval; HFNC: high-flow nasal cannula; SBP: systolic blood pressure; DBP: diastolic blood pressure; MBP: mean arterial blood pressure; HR: heart rate; T0: preinduction baseline; T1: 2 minutes after preoxygenation; T2: 5 minutes after preoxygenation; T3: at the second tidal volume with mechanical ventilation after intubation.

a) Estimated difference in values between groups; b) P<0.001 compared to baseline in each group.