

Supplementary Table 1. Initial laboratory findings in both groups

Variable	HFNC	LFOS	P-value ^a
Laboratory findings at intubation			
WBC (10 ³ /μl)	12.95 (9.40–18.90)	12.70 (7.80–15.35)	0.191
Hemoglobin (g/dl)	11.95 (10.83–13.60)	12.80 (10.32–14.37)	0.349
Platelet (10 ³ /μl)	228.00 (179.00–291.75)	233.00 (201.25–289.25)	0.059
Segment neutrophil (%)	80.50 (67.55–88.48)	73.70 (59.15–85.55)	0.045
Serum sodium (mmol/L)	139.00 (134.00–141.75)	138.00 (134.75–141.25)	0.884
Serum potassium (mmol/L)	4.15 (3.81–4.68)	3.76 (3.39–4.18)	0.003
Serum calcium (mmol/L)	8.44 (7.75–8.83)	8.83 (8.32–9.37)	0.032
Creatinine (mg/dl)	0.97 (0.73–1.41)	1.05 (0.83–1.55)	0.255
Pro-BNP (pg/ml)	1377.00 (364.65–3523.5)	281.20 (139.90–911.70)	0.081
Albumin (g/dl)	3.37 (2.93–3.90)	3.76 (2.80–4.22)	0.160
Bilirubin (mg/dl)	0.69 (0.47–0.92)	0.59 (0.47–0.96)	0.591
GCS score	10.00 (7.00–13.00)	9.00 (6.00–12.25)	0.190
Laboratory findings at extubation			
WBC (10 ³ /μl)	10.75 (8.10–13.75)	10.30 (7.67–13.95)	0.845
Hemoglobin (g/dl)	10.60 (9.83–11.88)	10.95 (9.30–12.07)	0.993
Platelet (10 ³ /μl)	183.00 (140.25–247.75)	181.50 (135.25–215.25)	0.558
Segment neutrophil (%)	79.8 (74.10–85.80)	81.80 (77.40–86.80)	0.308
Serum sodium (mmol/L)	138.00 (135.00–141.00)	138.00 (136.00–142.00)	0.865
Serum potassium (mmol/L)	3.76 (3.36–4.23)	3.78 (3.49–4.07)	0.934
Creatinine (mg/dl)	0.67 (0.49–0.98)	0.81 (0.56–0.96)	0.261
Albumin (g/dl)	2.77 (2.47–3.03)	3.00 (2.73–3.34)	0.010
Bilirubin (mg/dl)	0.65 (0.52–1.00)	0.70 (0.45–0.92)	0.592
GCS score	14.00 (12.00–15.00)	14.50 (11.75–15.00)	0.341

Values are presented as median (interquartile range).

HFNC: high-flow nasal cannula; LFOS: low-flow oxygen system; WBC: white blood cell; BNP: brain natriuretic peptide; GCS: Glasgow coma scale.

^aMann-Whitney U-test.