

Supplemental material 3 (SM3) : NIV parameters and monitoring at Day 30 for the whole cohort

NIV parameters and monitoring at Day 30 for the whole cohort		Total	ADH>4 h	ADH<4 h	P value
NIV Parameters	N	221	153	78	
	IPAP (cmH2O)	12.2±2.31	12.5±2.34	11.4±2.07	<.001
	EPAP (cmH2O)	6.7±1.49	6.89±1.52	6.28±1.33	0.005
	Back up RR (acts/min)	13.5±1.25	13.6±1.21	13.3±1.33	0.107
	Rise Time (ms)	428±138	434±139	414±138	0.333
	Trigger (L/min)	5.89±0.88	5.88±0.826	5.94±0.994	0.639
	Cycling (%IPF)	23.4±5.67	23.3±5.78	23.5±5.44	0.816
	Ti min (s)	0.664±0.640	0.7±0.76	0.583±0.124	0.220
	Ti max (s)	1.78±0.305	1.78±0.291	1.78±0.338	0.932
NIV Monitoring					
	Days (n)	31.4±10.1	31.7±9.5	30.9±11.4	0.609
	Days without use (n)	4.26±8.66	1.80±6.36	9.95±10.5	<.001
	Patients with fractional use (n)	23(10)	7(4.6)	16(21)	<.001
	NIV use (hr)	6.15±3.23	7.9±1.96	1.97±1.18	<.001
	Vt (ml)	439±118	442±122	430±108	0.508
	RR (acts/min)	16.8±3.13	16.5±3.04	17.5±3.27	0.038
	Leaks (L/min)	5.57±15.1	5.84±16.7	4.82±9.25	0.668
	Leaks > 24 L/min (n)	10(5)	8(5.2)	2(2.5)	0.636
	AHI	6.52±9.36	6.86±9.74	5.54±8.22	0.375
	AHI > 10 (n)	41(19)	32(20)	9(12)	0.501
SpO2					
assessment	SpO2 nighttime < 90 (%)	3.58±7.7	3.58±6.96	3.58±10.3	0.999

12 death before day30 were excluded from analysis. Data are presented as mean±sd and n (%). NIV: noninvasive ventilation; ADH: adherence; IPAP: inspiratory positive airway pressure; EPAP: expiratory positive airway pressure; RR: respiratory rate; IPF: inspiratory peak flow ; Vt: tidal volume; Ti: inspiratory time; AHI: apnea hypopnea index