

Supplemental digital content 1- Differences between study cohort and follow-up loss group.

Variable	Study cohort n=128 (100%)	Follow-up loss n=84 (100%)	p
Preexisting characteristics			
Admission age	16 (5-54)	12.5 (3-97.5)	0.62 ^b
Sex, Male	81 (63)	57 (68)	0.59 ^a
Premature Birth	41 (32)	22 (28)	0.51 ^a
Chronic condition	91 (71)	39 (46)	0.001 ^a
Baseline functional status			
Good/Normal	88 (69)	63 (76)	0.52 ^c
Mildly abnormal	29 (23)	15 (18)	
Moderately abnormal	11 (8)	5 (6)	
Critical illness factors			
PIM2	1.25 (0.46-2.90)	0.83 (0.22-5.07)	0.39 ^b
Admission reason			
Neurologic	13 (10)	8 (10)	0.002 ^c
Respiratory	37 (29)	46 (55)	
Surgical	48 (37)	18 (21)	
Others	30 (23)	12 (14)	
Sedative use	96 (75)	65 (77)	0.81 ^a
Sedative time, days	1 (1-4)	2 (1-5)	0.07 ^b
Neuromuscular blockade	24 (19)	15 (18)	1.00 ^a
Adverse event/complication	42 (33)	32 (38)	0.52 ^a
IMV use	68 (53)	40 (48)	0.52 ^a
IMV time, days	1 (0-4)	0 (0-5.75)	0.92 ^b
PICU length of stay	5 (3-10)	6.5 (3-10.75)	0.38 ^b
Discharge functional status			0.38 ^c
Good/Normal	41 (32)	24 (29)	
Mildly abnormal	28 (22)	28 (33)	
Moderately abnormal	45 (35)	24 (29)	
Severely abnormal	11 (9)	5 (6)	
Very severely abnormal	3 (2)	3 (3)	

Variables described as the median and interquartile range (IQR 25-75), absolute numbers (n), and frequency (%); IMV = Invasive mechanical ventilation. ^a Yates Continuity correction, ^b Mann Whitney- U Test. ^c Pearson Qui-square, ^d Fisher Exact teste.

Supplemental digital content 2 - Simple regression analysis between variables related to patient's previous conditions, critical illness factors, and one-year functional outcomes.

Variables	RR (95% CI)	p
Pre-existing characteristics		
Admission age, months		0.03
1 to 12	Ref.	----
13 to 48	0.46(0.22-0.95)	0.06
≥ 49	0.58(0.32-1.02)	0.03
Previous chronic condition	1.72(0.88-3.37)	0.10
Premature birth	1.62(1.04-2.73)	0.03
Baseline functional status		0.001
Good/Normal	Ref.	----
Mildly abnormal	2.57(1.57-4.21)	<0.001
Moderately abnormal	2.00(0.94-4.24)	0.07
Critical illness factors		
Admission reason		0.03
Neurologic	2.30(1.10-4.80)	0.02
Respiratory	1.31(0.63-2.75)	0.46
Surgical procedure	1.01(0.47-2.15)	0.96
Others	Ref.	----
PIM2,		0.89
0.1 to 4.99%	Ref.	----
≥ 5.00%	0.95(0.45-1.99)	0.89
Adverse event/complication	1.69(1.04-2.74)	0.04

Variables	RR (95% CI)	p
Sedative time, (days)		0.02
No sedative use	Ref.	----
1 to 3	0.92(0.49-1.72)	0.80
4 to 10	0.80(0.35-1.81)	0.60
≥ 10	2.14(1.07-4.27)	0.03
Neuromuscular blockade	0.86(0.43-1.71)	0.68
IMV time (days)		0.11
No IMV use	Ref.	----
1 to 3	1.25(0.64—2.41)	0.50
4 to 10	1.33(0.69-2.56)	0.37
≥ 11	2.25(1.16-4.34)	0.01
Length of stay (days),		0.03
1 to 3	Ref.	----
4 to 10	1.35(0.66-2.73)	0.40
≥ 11	2.27(1.11-4.65)	0.02
Functional decline at discharge	8.06(2.64-24.68)	<0.001
Discharge functional status		<0.001
Good/Normal	Ref.	----
Mildly abnormal	2.92(0.57-14.91)	0.19
Moderately abnormal	10.93(2.75-43.41)	0.001
Severely/very severely abnormal	17.57(4.47-69.04)	<0.001

Dependent variable: Functional outcome after one year (good/unchanged, poor).

RR = Relative risk; 95%CI = Confidence interval; PIM2= Pediatric Index of Mortality; IMV = Invasive mechanical ventilation. Ref. means reference category.