

Table S1. Pain and distress scores for each scale for each phase of the four procedures.

Procedure	Scale			
Phase	FLACC	MBPS	VAS pain	VAS distress
IV cannula insertion				
Baseline	1.7 (2.7) 0 [0 - 2]	2.9 (2.2) 2 [2 - 3]	0.3 (0.9) 0 [0 - 0]	1.3 (2.2) 0 [0 - 2]
Preparation	4.4 (3.7) 5 [1 - 8]	5.0 (2.8) 5.5 [2 - 8]	1.6 (2.4) 0 [0 - 2.6]	3.9 (3.4) 3.6 [0.7 - 7]
Procedural	6.4 (3.1) 7 [5 - 9]	6.6 (2.4) 7 [6 - 8.5]	4.4 (2.8) 4.7 [2.0 - 6.4]	5.6 (3.2) 6 [3 - 8]
NGT insertion				
Baseline	1.6 (2.3) 1 [0 - 2]	2.9 (1.8) 2 [2 - 3]	0.5 (1.3) 0 [0 - 0]	0.9 (1.6) 0 [0 - 2]
Preparation	3.8 (3.6) 3 [1 - 7]	4.9 (2.7) 5 [2 - 8]	1.1 (2.1) 0 [0 - 1]	3.8 (3.3) 3.4 [0.5 - 7]
Procedural	9.5 (0.8) 10 [9 - 10]	8.8 (1.1) 9 [8 - 9.5]	6.4 (2.0) 6.7 [5.3 - 8]	8.1 (1.8) 8.5 [7.3 - 9.5]
MDI administration				
Baseline	0.5 (1.5) 0 [0 - 0]	1.8 (1.5) 2 [1 - 2]	0.2 (0.9) 0 [0 - 0]	0.6 (1.6) 0 [0 - 0]
Procedural	4.2 (4.1) 2 [0 - 9]	5.1 (3.2) 5 [2 - 8]	1.1 (1.9) 0 [0 - 1.1]	3.7 (3.5) 2 [0 - 7.3]
SpO2 measurement				
Baseline	0.3 (0.6) 0 [0 - 0]	1.9 (0.7) 2 [2 - 2]	0.0 (0.2) 0 [0 - 0]	0.2 (0.7) 0 [0 - 0]
Procedural	0.5 (0.9) 0 [0 - 1]	2.0 (0.9) 2 [2 - 2]	0.7 (3.2) 0 [0 - 0]	2.7 (5.2) 0 [0 - 0.3]

Values are mean (standard deviation) and medians [interquartile ranges]

Abbreviations: FLACC – Face, Legs, Activity, Cry, Consolability, IV – intravenous, MBPS – Modified Behavioral Pain Scale, MDI – metered dose inhaler, NGT – nasogastric tube, VASobs – Visual Analogue Scale observer

Table S2. Reviewer rankings of their preference for the scales (n = 26).

Ranking	Scale		
	MBPS	FLACC	VAS pain
1 st	5	7	14
2 nd	10	10	4
3 rd	11	9	8

Abbreviations: FLACC – Face, Legs, Activity, Cry, Consolability, MBPS – Modified Behavioral Pain Scale, VASobs – Visual Analogue Scale observer