

Pre- and apnoeic high-flow oxygenation for rapid sequence intubation in the emergency department
(the Pre-AeRATE trial): A multicentre randomised controlled trial

Supplementary Table 3. Apnoeic oxygenation and intubation

Characteristic	Intervention (n=97)	Control (n=93)	Total (N=190)
Induction agent			
Etomidate	44 (45.4)	44 (47.3)	88 (46.3)
Propofol	33 (34.0)	23 (24.7)	56 (29.5)
Ketamine	17 (17.5)	25 (26.9)	42 (22.1)
Others	4 (4.1)	1 (1.1)	5 (2.6)
Paralytic agent			
Succinylcholine	73 (75.3)	74 (79.6)	147 (77.4)
Rocuronium	24 (24.7)	19 (20.4)	43 (22.6)
Time from start of preoxygenation to administration of paralytic agent (min), mean (SD)	8.9 (5.2)	13.2 (8.8)	11.0 (7.5)
Reason for termination of HFNC			
Successful intubation	87 (89.7)	1 (1.1)	88 (46.3)
Obstructing bag-valve-mask ventilation	3 (3.1)	0 (0.0)	3 (1.6)
Others	2 (2.1)	0 (0.0)	2 (1.1)
At first intubation attempt			
Position during intubation			
Cervical spine extension only	7 (7.2)	3 (3.2)	10 (5.3)
Full sniffing	59 (60.8)	73 (78.5)	132 (69.5)
Neutral cervical spine	30 (30.9)	15 (16.1)	45 (23.7)
Seated upright	1 (1.0)	2 (2.2)	3 (1.6)
Oxygenation device different from allocated group	6 (6.2)	4 (4.3)	10 (5.3)
Use of adjunct device(s) ^a	13 (13.4)	8 (8.6)	21 (11.1)
Intubating proceduralist specialty			
Emergency medicine	58 (59.8)	61 (65.6)	119 (62.6)
Non-emergency medicine	39 (40.2)	32 (34.4)	71 (37.4)
At subsequent intubation attempts			
Patients with more than one attempt	17 (17.5)	15 (16.1)	32 (16.8)

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Characteristic	Intervention (n=97)	Control (n=93)	Total (N=190)
Position during intubation different from first attempt	1 (1.0)	1 (1.1)	2 (1.1)
Device for apneic oxygenation different from allocated group	5 (5.2)	7 (7.5)	12 (6.3)
Use of adjunct device(s) ^a	11 (11.3)	8 (8.6)	19 (10.0)

All values presented in n (%) unless otherwise stated.

HFNC: high flow nasal cannula; SD: standard deviation.

^a In both institutions, usage of the stylet during intubation is standard practice; the need for adjunct devices would indicate that other airway equipment such as a bougie was used.