

Balance between admissions receiving drotrecogin alfa (activated) (DrotAA) and matched controls

Control pool	(a) Historic, same unit		(b) Contemporaneous, same unit		(c) Contemporaneous, non-DrotAA unit		(d) Contemporaneous, DrotAA unit prior to first use	
Matched group	DrotAA	Control	DrotAA	Control	DrotAA	Control	DrotAA	Control
Individual matching	N=609	N=609	N=764	N=764	N=666	N=666	N=922	N=922
Age ^a , mean (SD)	61.7 (14.0)	62.1 (14.0)	61.0 (14.9)	61.8 (14.9)	59.4 (15.2)	59.6 (15.2)	60.0 (15.4)	60.9 (15.0)
Sex, n (%)								
Female	299 (49.1)	280 (46.0)	369 (48.3)	359 (47.0)	324 (48.6)	330 (49.5)	454 (49.2)	425 (46.1)
Male	310 (50.9)	329 (54.0)	395 (51.7)	405 (53.0)	342 (51.4)	336 (50.5)	468 (50.8)	497 (53.9)
Ventilated ^b , n (%)	572 (93.9)	554 (91.0)	712 (93.2)	663 (86.8)	620 (93.1)	555 (83.3)	858 (93.1)	805 (87.3)
Number of organ systems failing ^{b,c} , n (%)								
2	142 (23.3)	142 (23.3)	167 (21.9)	167 (21.9)	139 (20.9)	139 (20.9)	185 (20.1)	185 (20.1)
3	262 (43.0)	262 (43.0)	339 (44.4)	339 (44.4)	289 (43.4)	289 (43.4)	389 (42.2)	389 (42.2)
4	174 (28.6)	174 (28.6)	229 (30.0)	229 (30.0)	205 (30.8)	205 (30.8)	285 (30.9)	285 (30.9)
5	31 (5.1)	31 (5.1)	29 (3.8)	29 (3.8)	33 (5.0)	33 (5.0)	63 (6.8)	63 (6.8)
APACHE II, mean (SD)	18.1 (5.8)	18.1 (6.2)	18.2 (6.0)	17.5 (6.2)	18.4 (6.3)	19.2 (6.6)	18.4 (6.2)	18.2 (6.0)
APS Score	22.3 (6.3)	22.6 (6.8)	22.3 (6.5)	22.0 (6.8)	22.3 (6.7)	23.3 (7.3)	22.4 (6.6)	22.6 (6.8)
ICNARC physiology score ¹ , mean (SD)	29.4 (7.9)	28.8 (7.4)	29.3 (7.7)	28.5 (7.7)	29.5 (7.8)	29.0 (7.5)	29.8 (8.1)	29.4 (7.7)
Propensity matching	N=929	N=929	N=1,049	N=1,049	N=818	N=818	N=1,053	N=1,053
Age ^d , mean (SD)	59.0 (16.2)	58.3 (16.7)	58.5 (16.2)	57.4 (16.1)	58.3 (16.2)	57.6 (15.8)	58.6 (16.2)	58.3 (15.5)
Sex ^d , n (%)								
Female	465 (50.1)	484 (52.1)	520 (49.6)	531 (50.6)	400 (48.9)	448 (54.8)	524 (49.8)	543 (51.6)
Male	464 (49.9)	445 (47.9)	529 (50.4)	518 (49.4)	418 (51.1)	370 (45.2)	529 (50.2)	510 (48.4)
Ventilated ^b , n (%)	864 (93.0)	850 (91.5)	970 (92.5)	930 (88.7)	758 (92.7)	665 (81.3)	974 (92.5)	926 (87.9)
Number of organ systems failing ^{b,d} , n (%)								
2	173 (18.6)	206 (22.2)	193 (18.4)	210 (20.0)	148 (18.1)	136 (16.6)	193 (18.3)	187 (17.8)
3	361 (38.9)	370 (39.8)	418 (39.8)	436 (41.6)	329 (40.2)	351 (42.9)	421 (40.0)	457 (43.4)
4	314 (33.8)	280 (30.1)	352 (33.6)	317 (30.2)	272 (33.3)	273 (33.4)	356 (33.8)	289 (27.4)
5	81 (8.7)	73 (7.9)	86 (8.2)	86 (8.2)	69 (8.4)	58 (7.1)	83 (7.9)	120 (11.4)
APACHE II, mean (SD)	18.9 (6.3)	18.3 (6.2)	18.8 (6.4)	18.2 (6.3)	18.8 (6.5)	20.0 (6.8)	18.8 (6.4)	17.8 (5.6)
APS Score	22.8 (6.7)	21.9 (6.6)	22.6 (6.7)	21.9 (6.8)	22.6 (6.9)	23.7 (6.9)	22.7 (6.8)	21.6 (6.1)
ICNARC physiology score ^d , mean (SD)	30.5 (8.4)	29.6 (7.8)	30.4 (8.4)	29.7 (8.1)	30.3 (8.2)	29.6 (7.8)	30.4 (8.4)	29.5 (7.6)

APACHE: Acute Physiology And Chronic Health Evaluation; APS: acute physiology score; ICNARC: Intensive Care National Audit & Research Centre; SD: standard deviation

^a Included in matching procedure

^b During first 24 hours in the critical care unit

^c Perfect balance ensured by matching procedure

^d Included in propensity model