

System	Comparisons of CPAP systems before leakage	
	Delivered CPAP (cm H2O)	Amplitude of Pressure Swings (cm H2O)
	Mean (95% CI)	Mean (95%CI)
AVEA	4.42 (4.40-4.45) a	5.42 (5.41-5.44)
Evita XL	3.50 (3.49-3.50)	2.96 (2.92-3.00) b
Fabian	4.44 (4.42-4.45) a	1.35 (1.34-1.37)
Engström	5.04 (5.04-5.05)	5.76 (5.75-5.76)
Leoni Plus	3.46 (3.45-3.46)	8.46 (8.44-8.49)
SERVO-i	4.13 (4.13-4.14)	3.01 (2.98-3.03) b
VN500	4.55 (4.55-4.55)	4.36 (4.33-4.39)

Supplementary Table 1: Comparison of delivered CPAP and amplitude of pressure swings before leakage. Data from ten consecutive breaths and four simulations (n=40). The differences between all systems were statistically significant except Avea and Fabian (Delivered CPAP, indicated by 'a') and Evita XL and SERVO-i (Amplitude of Pressure Swings, indicated by 'b').