Supplementary Table S1. Comparison of clinical characteristics and outcomes between the early and late tracheostomy groups according to other definitions

	Category according to definitions of early and late tracheostomy (days after translaryngeal intubation)			
Variable	Young et al.'s study ⁹		Shaw and Santry's study ¹⁴	
	Early tracheostomy (n=46)	Late tracheostomy (n=129)	Early tracheostomy (n=75)	Late tracheostomy (n=115)
Age, yr	72 (18–89)	67 (18–91)	72 (18–89)*	67 (18–91)
Male sex	32 (69.6)	79 (61.2)	56 (74.4)*	67 (58.3)
$BMI \leq 18.5 \ kg/m^{2\dagger}$	11 (26.2)	18 (14.2)	16 (21.3)	16 (13.9)
APACHE II score [†]	21 (7–35)	20 (6-41)	21 (7-39)	20 (6-41)
SOFA score [†]	7 (1–18)	7 (1–19)	7 (1–18)	7 (1–19)
Charlson's WIC	5 (0-14)*	3 (0-12)	4 (0-14)*	3 (0-12)
Hospital LOS, day	29 (7-309)	55 (10-432)*	34 (7-309)	54 (10-432)*
ICU LOS, day	18 (5–223)	34 (10-201)*	20 (5-223)	34 (10-201)*
Duration of MV, day	14 (4–193)	30 (4-198)*	17 (4–193)	30 (4-198)*
Transfer to other secondary care hospitals at discharge	34 (73.9)*	61 (47.3)	51 (68.1)*	50 (43.5)
Total medical costs during hospital stay, USD [§]	21,382 (6,543–175,164)	37,186 (2,482–206,636)*	21,635 (6,543–175,164)	36,973 (12,721-206,636)*
In hospital mortality	9 (19.6)	50 (38.8)*	19 (25.3)	48 (41.7)*
90-Day mortality	16 (34.8)	57 (44.2)	26 (34.7)	55 (47.8)

Values are presented as medians (range) and number (%).

In the Young et al.'s study and Shaw and Santry's study early and late tracheostomy patients were grouped according to days after translaryngeal intubation as follows: in the Young et al.'s study, early tracheostomy was performed within 4 days (≤ 4 days) of translaryngeal intubation and late tracheostomy was performed after 10 days (≥ 10); in the Shaw and Santry's study, early tracheostomy was performed within 6 days (≤ 6 days) of translaryngeal intubation and late tracheostomy was performed after 11 days (≥ 11 days).

*Values are significantly higher than the other values. †Data from 169 (early, n=42 vs. late, n=127), and 184 patients (70 vs. 114), respectively (from left to right). †Calculated from clinical data on day of ICU admission. *Data from 138 (early, n=43 vs. late, n=95), and 151 patients (69 vs. 82), respectively (from left to right).

BMI: body mass index; APACHE: Acute Physiology and Chronic Health Evaluation; SOFA: Sequential Organ Failure Assessment; LOS: length of stay; WIC: weighted index of comorbidities; ICU: intensive care unit; MV: mechanical ventilation.