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Prolonged hospital length of stay does not improve functional outcome in acute ischemic stroke

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Table S1. Characteristics of Propensity Score-Matched Cohorts (LOS≤14 days vs LOS>14 days)

	LOS≤14 days (n=2292)	LOS>14 days (n=2292)	p Value
Male, n (%)	1490 (65.0%)	1501 (65.5%)	0.733
Age, median (IQR)	64.0 (56.0-73.0)	64.0 (56.0-73.0)	0.823
Medical insurance, n (%)	1971 (86.0%)	1969 (85.9%)	0.932
Medical history			
Hypertension, n (%)	1715 (74.8%)	1689 (73.7%)	0.380
Diabetes mellitus, n (%)	885 (38.6%)	849 (37.0%)	0.273
Dyslipidemia, n (%)	2118 (92.4%)	2108 (92.0%)	0.582
Coronary heart disease, n (%)	347 (15.1%)	341 (14.9%)	0.804
Atrial fibrillation, n (%)	92 (4.0%)	94 (4.1%)	0.881
Prior stroke, n (%)	538 (23.5%)	553 (24.1%)	0.603
Severity of stroke			0.689
Mild (NIHSS 0-5), n (%)	1341 (58.5%)	1320 (57.6%)	
Moderate (NIHSS 6-10), n (%)	616 (26.9%)	617 (26.9%)	
Severe (NIHSS>10), n (%)	335 (14.6%)	355 (15.5%)	
In-hospital treatment			
Intravenous thrombolysis, n (%)	99 (4.3%)	106 (4.6%)	0.617
Antiplatelet agents, n (%)	2266 (98.9%)	2269 (99.0%)	0.667
Anticoagulant agents, n (%)	342 (14.9%)	338 (14.7%)	0.868
In-hospital complications			
Infection, n (%)	153 (6.7%)	171 (7.5%)	0.300
Hemorrhage, n (%)	36 (1.6%)	38 (1.7%)	0.815
DVT, n (%)	1 (0.0%)	2 (0.1%)	1.000
Cardiovascular events, n (%)	4 (0.2%)	7 (0.3%)	0.365
Falls, n (%)	5 (0.2%)	5 (0.2%)	1.000
Tertiary hospitals, n (%)	2048 (89.4%)	2067 (90.2%)	0.354
Region			0.665
The eastern area, n (%)	1102 (48.1%)	1063 (46.4%)	
The northeastern area, n (%)	411 (17.9%)	436 (19.0%)	
The central area, n (%)	628 (27.4%)	641 (28.0%)	
The western area, n (%)	151 (6.6%)	152 (6.6%)	

LOS, length of stay; IQR, interquartile range; NIHSS, National Institutes of Health Stroke Scale; DVT, deep venous thrombosis.

Table S2. Relationship between prolonged LOS and stroke outcome in Propensity Score-Matched Cohorts

	≤14 days (n=2292)	>14 days (n=2292)	P value	OR (95% CI)
Poor outcome at 3 months, n (%)	427 (18.6%)	580 (25.3%)	<0.001	1.480 (1.285, 1.704)
Poor outcome at 12 months, n (%)	330 (14.4%)	490 (21.4%)	<0.001	1.617 (1.387, 1.885)

LOS, length of stay; OR, odds ratio; CI: confidence interval.

The McNemar's test was used to compare the proportions of poor outcome at 3 and 12 months after stroke onset between the prolonged LOS patients and the matched normal LOS patients.

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