

Supplementary Table 1. The parameters of AIS patients with favorable or non-favorable outcome

	mRS ≤ 2 (n=14)	mRS > 2 (n=34)	<i>P</i>
Age, year	49.2±7.5	69.4±13.6	<0.001*
Male (N)	13 (92.9)	17 (50.0)	0.008*
BMI (kg/m <sup>2</sup> )	25.6±4.5	28.4±4.2	0.049*
Weight (kg)	79.0±13.7	66.7±14.8	0.010*
History of stroke	3 (21.4)	10 (29.4)	0.728
Pre-mRS ≥ 2	0 (0)	8 (23.5)	0.085
NIHSS at admission	6 (4, 9)	16 (11, 22)	<0.001*
Atrial fibrillation	1 (7.1)	3 (8.8)	1.00
Diabetes mellitus	12 (85.7)	31 (91.2)	0.621
Hypertension	11 (78.6)	28 (82.4)	1.00
Hyperlipidemia	6 (42.9)	13 (38.2)	1.00
CAD	5 (35.7)	6 (17.6)	0.258
ICH	7 (50.0)	5 (14.7)	0.024*
Smoking	3 (21.4)	9 (26.5)	1.00
IV rt-PA	3 (21.4)	9 (26.5)	1.00
EVT	3 (21.4)	8 (23.5)	1.00
SIE	2 (14.3)	13 (38.2)	0.171
TG (mg/dl)	230.43±131.46	185.29±233.83	0.502
Cholesterol (mg/dl)	198.00±56.06	177.59±61.25	0.288
LDL (mg/dl)	118.86±30.92	102.82±42.11	0.205
Glucose at admission (mg/dl)	311.71±143.39	289.00±96.78	0.526
HbA <sub>1c</sub> (%)	9.70±2.20	9.51±1.99	0.771
Creatinine (mg/dl)	1.09±0.35	1.10±0.41	0.954
Hemoglobin (g/dl)	15.51±1.58	13.77±2.16	0.009*
Hematocrit (%)	44.95±4.26	41.07±5.92	0.031*
WBC (k/ul)	8.87±2.80	9.93±2.97	0.256
Platelet (k/ul)	229.86±67.74	234.35±58.51	0.818
PTT (seconds)	26.36±2.24	25.29±2.46	0.169
INR	1.01±0.19	0.96±0.05	0.154
Insulin Glargine	6 (42.9)	18 (52.9)	0.752
Glucose (in trial)			
Pre- random	279.71±92.80	267.29±59.39	0.582
80-180 mg/dl (%)	55.19±27.54	47.41±24.77	0.349

Data was expressed as number (proportion) or mean± standard deviation.

\* indicates statistical significance.

BMI, body mass index; mRS, modified Rankin Scale; NIHSS, National Institute of Health Stroke Scale; CAD, coronary artery disease; ICH, intracerebral hemorrhage; IV, intravenous; EVT: endovascular thrombectomy; SIE: stroke in-evolution; TG, triglyceride; LDL, low-density lipoprotein; Hb<sub>A1C</sub>, glycated hemoglobin; WBC, white blood cell; PTT, partial thromboplastin time; INR, international normalized ratio.

Supplement Table 2. The daily insulin dose

Total insulin dose (U)	NPH insulin	Insulin Glargine	P-value
Day 1	40.92±17.63	43.38±17.59	0.623
Day 2	46.04±13.04	49.35±13.21	0.378
Day 3	44.00±13.10	50.46±14.09	0.107
RI dose			
Day 1	33.21±13.55	26.12±11.86	0.054
Day 2	36.21±10.81	29.19±9.40	0.018*
Day 3	34.17±10.87	29.00±11.27	0.113
Basal insulin	NPH	GI	
Day 1	7.71±5.32	17.27±9.20	<0.001*
Day 2	9.83±3.64	20.15±6.63	<0.001*
Day 3	9.83±3.71	21.46±5.38	<0.001*

Data was expressed as mean± standard deviation.

\* indicates statistical significance.