# SUPPLEMENTARY TABLES

**Supplementary Table 1. The risk factors of PSCI at 6-month in logistic regression model.**

| Variables | Univariable analysis | | | Multivariable analysis, as categorical variable | | |
|---|---|---|---|---|---|---|
| | **Odds ratio** | **95% CI** | | **Odds ratio** | **95% CI** | |
| **Age, each year** | 1.08 | 1.00 | 1.04 | 1.15 | 0.66 | 2.02 |
| >63yrs | 1.38 | 0.91 | 2.12 | | | |
| >80yrs | 1.61 | 0.65 | 4.01 | | | |
| **Level of education, each 3 years** | 0.69 | 0.54 | 0.86 | | | |
| More than 9 years | 0.52 | 0.42 | 0.64 | 0.85 | 0.63 | 1.14 |
| **MoCA, each point** | 0.63 | 0.56 | 0.70 | 0.74 | 0.69 | 0.78 |
| **Diabetes mellitus** | 1.28 | 0.83 | 1.97 | | | |
| Glucose level, 1 mmol | 1.05 | 0.98 | 1.14 | 1.06 | 0.58 | 1.95 |
| Glucose level>5.4mmol/l | 1.49 | 0.97 | 2.29 | | | |
| **Severity of Stroke** | | | | 1.00 | 0.67 | 1.38 |
| Baseline NIHSS score,1 point | 1.04 | 1.00 | 1.08 | | | |
| NIHSS>8 points | 1.65 | 1.04 | 2.63 | | | |
| NIHSS>15 points | 1.29 | 0.98 | 1.70 | | | |
| **LDL level, 1 mmol/L** | 1.02 | 0.96 | 1.09 | 0.76 | 0.43 | 1.33 |
| Appropriate LDL(1.8-2.6mmol/L) | 0.69 | 0.45 | 1.05 | | | |

**Supplementary Table 2. Multivariate logistic regression analysis of the risk factors for PSCI at 6 months included in the predictive model for the patients from 2 of the 4 study centers (Huashan Hospital and the Tenth People's Hospital) (N=281).**

| Variables | Odds ratio | 95% Confidential interval | | P value |
|---|---|---|---|---|
| **Baseline MoCA** | 15.454 | 8.466 | -28.210 | 0.000 |
| **Level of education** | | | | |
| <9 years, n (%) | 1.788 | 0.986 | -3.240 | 0.056 |
| 9-11 years | 1.825 | 0.908 | -3.667 | 0.091 |
| ≥12 years | As refer | | | |
| **Age** | | | | |
| ≤63 years old | As refer | | | |
| 64-79 years old | 1.052 | 0.551 | -2.010 | 0.878 |
| ≥80 years old | 0.902 | 0.488 | -1.669 | 0.743 |
| **FBG** | | | | |
| ≤5.4mmol/L | As refer | | | |
| 5.5-7.0 mmol/L | 1.572 | 0.834 | -2.963 | 0.162 |
| ≥7.1mmol/L | 1.191 | 0.641 | -2.213 | 0.581 |
| **LDL-C** | | | | |
| 1.8-2.5 mmol/L | As refer | | | |
| <1.8mmol/L or ≥2.6mmol/L | 1.364 | 0.774 | --2.404 | 0.284 |
| **Severity of Stroke (NIHSS, points)** | | | | |
| Moderate (NIHSS 9-14), n (%) | 1.060 | 0.610 | -1.842 | 0.836 |
| Severe (NIHSS≥15), n (%) | 0.848 | 0.371 | --1.939 | 0.697 |
| Atrial fibrillation | 1.172 | 0.638 | - 2.154 | 0.638 |

FBG, fasting blood glucose level; OR, odd ratio; CI, confidential interval; LDL-C, low density lipoprotein (LDL) cholesterol; NIHSS, National Institution of Health Stroke Scale.