

**Supplementary Table S1. Baseline characteristics of study population according to post-stroke depression (age 65-75)**

Variables (n=119)	post-stroke depression		<i>p</i> value
	Negative (n=90)	Positive (n=29)	
<b>Demographics</b>			
Age (years)	65.4±6.5	66.2±7.0	<i>0.559</i>
Male (%)	58 (64.4)	16 (55.2)	<i>0.371</i>
BMI (kg/m <sup>2</sup> )	23.3±3.8	24.5±3.0	<i>0.119</i>
<b>Cardiovascular risk</b>			
Hypertension	48 (53.3)	15 (51.7)	<i>0.880</i>
Diabetes mellitus	42 (46.7)	11 (37.9)	<i>0.410</i>
Atrial fibrillation	19 (21.1)	3 (10.3)	<i>0.274</i>
Dyslipidemia	22 (24.4)	6 (20.7)	<i>0.678</i>
Previous stroke	17 (18.9)	5 (17.2)	<i>0.842</i>
Previous IHD	8 (8.9)	3 (10.3)	<i>0.814</i>
Smoking	19 (21.1)	6 (20.7)	<i>0.961</i>
Alcohol consumption	27 (30.0)	8 (27.6)	<i>0.804</i>
<b>TOAST classification</b>			
LAA	26 (28.9)	10 (34.5)	<i>0.965</i>
CE	17 (18.9)	6 (20.7)	
SVO	16 (17.8)	4 (13.8)	
SUE	25 (27.8)	7 (24.1)	
SOE	6 (6.7)	2 (6.9)	
<b>Psychological test</b>			

Onset to test (day)	2.7±1.8	2.8±2.0	0.795
HRDS score at admission	5.8±4.4	15.5±10.3	<0.001
<b>Hospitalization factors</b>			
Onset to admission (hr)	13.7±18.9	13.5±18.3	0.976
Hospitalization period (day)	8.0±4.2	8.8±4.7	0.388
<b>Neurological Severity</b>			
Initial NIHSS	3.5±3.8	4.8±5.4	0.223
NIHSS at discharge	1.9±2.2	4.7±5.1	0.008
NIHSS after 3 months	1.1±1.7	4.0±5.1	0.005
Initial mRS	1.9±1.3	2.4±1.6	0.125
mRS at discharge	1.4±1.1	2.2±1.6	0.014
mRS after 3 months	0.8±1.1	1.8±1.7	0.005
<b>Laboratory findings</b>			
WBC (103/uL)	7.6±2.5	8.0±2.6	0.389
Hb (g/dL)	14.0±4.0	13.8±1.5	0.773
PLT (103/uL)	242.5±67.8	242.9±61.7	0.976
Protein (g/dL)	6.5±0.5	6.5±0.6	0.488
Albumin (g/dL)	3.8±0.4	3.9±0.3	0.226
AST (U/L)	24.8±14.3	29.3±37.6	0.352
ALT (U/L)	20.7±12.8	20.8±13.1	0.984
ALP (U/L)	55.4±15.4	60.0±18.6	0.207
Glucose (mg/dL)	104.8±46.4	112.7±44.8	0.423
BUN (mg/dL)	14.3±4.8	17.1±9.1	0.038
Creatinine (mg/dL)	0.9±0.3	0.9±0.3	0.950

Total Cholesterol (mg/dL)	203.0±210.1	183.3±43.4	0.631
Triglycerides (mg/dL)	122.5±89.1	115.0±62.4	0.683
Uric acid (mg/dL)	5.1±1.4	5.2±2.8	0.868
HDL (mg/dL)	43.8±10.8	43.9±9.6	0.960
LDL (mg/dL)	107.4±37.8	118.8±42.3	0.172
Ca (mg/dL)	8.8±0.4	8.8±0.4	0.519
Na (mEq/L)	139.8±3.0	141.1±4.1	0.059
K (mEq/L)	4.0±0.3	4.1±0.4	0.279
ESR (mm/hr)	12.8±9.8	13.5±10.2	0.738
hs-CRP (mg/dL)	0.7±1.3	2.1±3.6	0.041
TSH (μIU/ml)	1.6±1.5	1.8±2.5	0.555
fT4 (ng/dL)	1.2±0.3	1.3±0.5	0.293
GFR (mL/min)	91.8±27.1	92.8±30.0	0.873

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**Supplementary Table S2. Logistic regression analysis of post-stroke depression after 3 months (age 65-75)**

Variables	Univariate analysis		Multivariate analysis*	
	Crude OR (95% CI)	<i>p</i> value	Adjusted OR (95% CI)	<i>p</i> value
HRDS score at admission	1.24 (1.13-1.36)	<i>&lt;0.001</i>	1.26 (1.14-1.39)	<i>&lt;0.001</i>
NIHSS at discharge	1.25 (1.10-1.43)	<i>0.001</i>		
hs-CRP	1.32 (1.08-1.63)	<i>0.008</i>		

\*Adjusted for sex, HRDS score, NIHSS at discharge, and hs-CRP