

Supplementary Table 1. Comparison of patient characteristics

Characteristic	SND (n=27)	No SND (n=35)	P
Demographics			
Age (yr)	64.9±12.4	62.0±14.3	0.403
Male sex	13 (48.1)	18 (51.4)	0.798
Hypertension	17 (63.0)	17 (48.6)	0.259
Diabetes mellitus	9 (33.3)	8 (22.9)	0.359
Hypercholesterolemia	3 (11.1)	10 (28.6)	0.094
Smoking	10 (37.0)	16 (45.7)	0.492
Previous stroke	0 (0)	3 (8.6)	0.250
Body mass index (kg/m ²)	23.4±3.5	23.4±3.2	0.975
Laboratory results			
White blood cells (×10 ⁹ /L)	8.0±2.4	7.2±1.8	0.108
Hemoglobin (g/dL)	13.4±1.6	14.2±1.8	0.061
Hematocrit (%)	39.4±4.2	41.6±5.2	0.080
Platelet count (×10 ⁹ /L)	237.0±68.3	254.4±50.9	0.254
Blood urea nitrogen (mg/dL)	15.6±4.2	14.1±5.7	0.238
Creatinine (mg/dL)	0.8 (0.7–0.9)	0.8 (0.7–1.0)	0.563
Fasting glucose (mg/dL)	120.0 (99.0–154.0)	112.0 (95.0–152.0)	0.733
AST (IU/L)	21.6±7.1	22.1±5.1	0.708
ALT (IU/L)	18.6±8.4	18.3±6.1	0.868
Total protein (g/dL)	7.0±0.6	7.1±0.5	0.892
Albumin (g/dL)	4.1±0.3	4.1±0.4	0.928
Uric acid (mg/dL)	4.6±1.8	5.5±1.6	0.043
Creatine kinase (IU/L)	77.0 (50.0–126.0)	75.0 (50.0–132.0)	0.809
C-reactive protein (mg/dL)	1.2 (0.2–3.0)	0.5 (0.2–1.9)	0.284
Treatment			
Anticoagulant	5 (18.5)	1 (2.9)	0.077
Antiplatelet	27 (100)	35 (100)	-
Tissue plasminogen activator	0 (0)	2 (5.7)	0.500
Rosuvastatin	11 (40.7)	14 (40.0)	0.953

Values are presented as mean±standard deviation, number (%), or median (interquartile range). SND, substantia nigra degeneration; AST, aspartate aminotransferase; ALT, alanine aminotransferase.

Supplementary Table 2. Comparison of imaging characteristics

Characteristic	SND (n=27)	No SND (n=35)	P
Location of infarction			
Basal ganglia			
Putamen	22 (81.5)	29 (82.9)	1.000
Globus pallidus	12 (44.4)	11 (31.4)	0.293
Caudate nucleus	12 (44.4)	13 (37.1)	0.561
Co-existing MCA territory	18 (66.7)	13 (37.1)	0.021
Infarction volume of basal ganglia (cm ³)	1.5 (0.5–4.6)	0.7 (0.2–1.4)	0.020
Relevant artery stenosis >50%	17 (63.0)	14 (40.0)	0.073
New lesion on follow-up DWI	8 (29.6)	4 (11.4)	0.072

Values are presented as number (%) or median (interquartile range). SND, substantia nigra degeneration; MCA, middle cerebral artery; DWI, diffusion-weighted imaging.