

Table S1 Spearman's rank correlation coefficient among EPVS, lacunes, and WMH

	BG-EPVS	CS-EPVS
BG-EPVS	-	0.243*
Lacunes	0.237*	0.035
cWMH	0.526*	0.065
PWMH	0.515*	0.024
DWMH	0.450*	0.086

BG-EPVS: basal ganglia enlarged perivascular spaces; CS-EPVS: centrum semiovale enlarged perivascular spaces; cWMH: total cerebral white matter hyperintensity; PWMH: periventricular white matter hyperintensity; DWMH: deep white matter hyperintensity. *P<0.001.

Table S2 Imaging characteristics of patients with and without PH

Imaging characteristics	Without PHN=456	With PHN=38	P
Total EPVS, median (IQR)	4 (3-5)	4 (3-5)	0.407
BG-EPVS, median (IQR)	1 (1-2)	1 (1-2)	0.660
Moderate to severe BG-EPVS, n (%)	223 (48.9)	16 (42.1)	0.420
CS-EPVS, median (IQR)	2 (2-3)	2 (2-3)	0.324
Moderate to severe CS-EPVS, n (%)	401 (87.9)	34 (89.5)	0.984
Lacunes, n (%)	89 (19.5)	6 (15.8)	0.575
PWMH, median (IQR)	1 (0-2)	1 (0-1)	0.583
Extensive PWMH, n (%)	38 (8.3)	1 (2.6)	0.348
DWMH, median (IQR)	1 (0-1)	1 (0-1)	0.443
Extensive DWMH, n (%)	84 (18.4)	6 (15.8)	0.686
cWMH, median (IQR)			0.354
No cWMH, n (%)	119 (26.1)	9 (23.7)	
Mild cWMH, n (%)	206 (45.2)	22 (57.9)	
Moderate cWMH, n (%)	90 (19.7)	6 (15.8)	
Severe cWMH, n (%)	41 (9.0)	1 (2.6)	
Total CSVD burden, median (IQR)	1 (0-1)	0 (0-1)	0.298
Score 0, n (%)	199 (43.6)	20 (52.6)	0.627
Score 1, n (%)	146 (32.0)	11 (28.9)	
Score 2, n (%)	79 (17.3)	4 (10.5)	
Score 3, n (%)	32 (7.0)	3 (7.9)	

PH: parenchymal hematoma; BG-EPVS: basal ganglia enlarged perivascular spaces; CS-EPVS: centrum semiovale enlarged perivascular spaces; PWMH: periventricular white matter hyperintensity; DWMH: deep white matter hyperintensity; cWMH: total cerebral white matter hyperintensity; CSVD: cerebral small vessel disease; IQR: interquartile range.

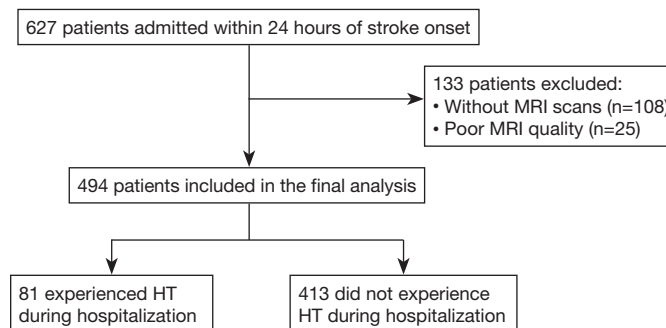


Figure S1 Flowchart of patients' enrollment.