

## Supplementary

**Table S1** Comparison of imaging features between patients with and without nonsustained atrial tachycardia by TOAST classification (LAA and cryptogenic)

Variables	LAA (n=259)			Cryptogenic (n=154)		
	NSAT (n=90)	Non-NSAT (n=169)	P <sup>†</sup>	NSAT (n=78)	Non-NSAT (n=76)	P
Any embolic feature	21 [23]	23 [13]	0.047	44 [58]	38 [49]	0.25
Simultaneous acute lesions in multiple arterial territories	0 [0]	1 [1]	>0.99	29 [38]	23 [29]	0.26
Isolated acute cortical lesions	0 [0]	0 [0]	–	13 [17]	10 [13]	0.46
Angiographic evidence of cut-off sign or recanalization	21 [23]	22 [13]	0.03	2 [3]	5 [6]	0.44

<sup>†</sup>, Chi square test or Fisher's exact test were used. LAA, large artery atherosclerosis; cryptogenic, undetermined-more than two causes or undetermined-negative; other, other determined etiologies; NSAT, nonsustained atrial tachycardia.

**Table S2** Clinical characteristics and laboratory findings between patients with and without imaging findings suggestive of cerebral embolism in acute ischemic stroke patients with nonsustained atrial tachycardia

Variables	All (n=243)	Embolic (n=66)	Non-embolic (n=177)	P
Age, year	71±11	72±10	71±11	0.65
Female sex, n [%]	103	25 [38]	78 [44]	0.39
Hypertension, n [%]	164	48 [73]	116 [66]	0.29
Diabetes mellitus, n [%]	84	19 [29]	65 [37]	0.25
Coronary artery disease, n [%]	22	4 [6]	18 [10]	0.32
Dyslipidemia, n [%]	136	33 [50]	103 [58]	0.25
Prior history of TIA/stroke, n [%]	35	9 [14]	26 [15]	0.84
Current smoker, n [%]	91	27 [41]	64 [36]	0.50
Initial NIHSS score	2 [1–5]	3 [1–9]	2 [1–4]	0.002
CHA <sub>2</sub> DS <sub>2</sub> -VASc	3 [2–4]	3 [2–4]	3 [2–4]	0.88
LV EF, %	67 [62–71]	67 [63–71]	67 [62–72]	0.90
LA index, mL/m <sup>2</sup>	27 [22–34]	27 [23–35]	27 [22–34]	0.83
Total APB, n	12 [5–24]	15 [6–23]	10 [5–26]	0.44
Longest run of APB, n	5 [3–9]	5 [3–9]	5 [3–8]	0.46
D-dimer, mcg/mL	0.57 [0.26–1.29]	0.71 [0.46–2.06]	0.56 [0.25–1.16]	0.18
Total cholesterol, mg/dL	175±41	169±37	177±42	0.18
LDL-cholesterol, mg/dL	118±33	112±29	120±35	0.11
HDL-cholesterol, mg/dL	44±12	45±14	44±11	0.36
Triglyceride, mg/dL	102 [76–136]	91 [77–123]	106 [76–140]	0.16

TIA, transient ischemic attack; NIHSS, National Institutes of Health Stroke Scale; CHA<sub>2</sub>DS<sub>2</sub>-VASc, congestive heart failure, hypertension, age ≥75 years, diabetes, prior stroke or TIA, vascular disease, age 65–74 years, sex; LV EF, left ventricular ejection fraction; LA, left atrium; APB, atrial premature beat; LDL, low-density lipoprotein; HDL, high-density lipoprotein.