

**Table S1. Etiologic evaluations according to ESUS subtypes.**

	Total (n = 829)	Arteriogenic embolism (n = 173)	Minor cardioembolic source (n = 224)	No cause (n = 235)	Two or more causes (n = 197)	p value
Angiographic evaluations	798 (96.3)	166 (96.0)	221 (98.7)	216 (91.9)	195 (99.0)	<0.001
CTA	594 (71.7)	123 (71.1)	169 (75.4)	153 (65.1)	149 (75.6)	0.044
MRA	741 (89.4)	150 (86.7)	210 (93.8)	199 (84.7)	182 (92.4)	0.004
DSA	109 (13.1)	26 (15.0)	22 (9.8)	28 (11.9)	33 (16.8)	0.154
Neurosonographic evaluations	795 (95.9)	164 (94.8)	219 (97.8)	217 (92.3)	195 (99.0)	0.002
Carotid Doppler	735 (88.7)	154 (89.0)	195 (87.1)	205 (87.2)	181 (91.9)	0.376
TCD	747 (90.1)	150 (86.7)	210 (93.8)	206 (87.7)	181 (91.9)	0.049
Echocardiography						
TEE	829 (100)	173 (100)	224 (100)	235 (100)	197 (100)	NA
TTE	742 (89.5)	155 (89.6)	210 (93.8)	196 (83.4)	181 (91.9)	0.002

Heart rhythm evaluations	775 (93.5)	161 (93.1)	205 (91.5)	225 (95.7)	184 (93.4)	0.328
Continuous ECG monitoring	709 (85.8)	148 (85.5)	185 (82.6)	205 (87.2)	171 (86.8)	0.499
Holter	419 (50.5)	85 (49.1)	113 (50.4)	139 (59.1)	82 (41.6)	0.004
Implantable loop recorder	9 (1.1)	2 (1.2)	1 (0.4)	6 (2.6)	0 (0.0)	0.052
Heart CT	545 (65.7)	103 (59.5)	173 (77.2)	142 (60.4)	127 (64.5)	<0.001
ABI	829 (100)	173 (100)	224 (100)	235 (100)	197 (100)	NA

Abbreviation: ABI, ankle-brachial index; CT, computed tomography; CTA, computed tomography angiography; DSA, digital subtraction angiography; ECG, electrocardiogram; NA, not analyzed; TCD, transcranial Doppler; TEE, transesophageal echocardiography; TTE, transthoracic echocardiography. Data are expressed as number (%).

**Table S2. Patient demographic and clinical characteristics.**

	CAP (n = 146)	Non-CAP (n = 683)	p value
Age, y	67.0±10.9	61.8±13.1	<0.001
Men	107 (73.3)	410 (60.0)	0.003
NIHSS score at admission	2.0 [0.0, 4.0]	2.0 [1.0, 4.0]	0.538
<b>Risk factors</b>			
Hypertension	122 (83.6)	483 (70.7)	0.002
Diabetes mellitus	52 (35.6)	185 (27.1)	0.038
Hypercholesterolemia	29 (19.9)	122 (17.9)	0.570
Current smoking	31 (21.2)	176 (25.8)	0.250
Coronary artery disease	56 (38.4)	231 (33.8)	0.296
Previous TIA/infarction	22 (15.1)	97 (14.2)	0.786
<b>Laboratory findings</b>			
Total cholesterol, mg/dL	172.0±47.6	180.5±85.8	0.244
LDL-cholesterol, mg/dL	103.9±38.0	106.2±37.3	0.501
HDL-cholesterol, mg/dL	42.1±10.6	43.9±13.3	0.116
Triglyceride, mg/dL	134.2±119.0	124.3±85.8	0.236

Abbreviation: CAP, complex aortic plaque; HDL, high-density lipoprotein; LDL, low-density lipoprotein; NIHSS, National Institutes of Health Stroke Scale; TIA, transient ischemic attack.

Data are expressed as mean  $\pm$  standard deviation, median [interquartile range], or number (%).

**Table S3. Clinical features of patients with arteriogenic embolism.**

	CAP (n = 146)	NAP (n = 224)	p value
Age, y	67.0±10.9	64.6±11.7	<0.001
Hypertension	122 (83.6)	176 (78.6)	0.236
Diabetes mellitus	52 (35.6)	70 (31.3)	0.383
Hypercholesterolemia	29 (19.9)	46 (20.5)	0.875
Current smoking	31 (21.2)	62 (27.7)	0.162
Coronary artery disease	56 (38.4)	98 (43.8)	0.304
Previous TIA/infarction	22 (15.1)	40 (17.9)	0.483
ABI	1.06±0.15	1.09±0.12	0.020
ABI < 0.9	18 (12.3)	12 (5.4)	0.016
All-cause mortality	18 (12.3)	8 (3.6)	0.001
MACE	35 (24.0)	29 (12.9)	0.006

Abbreviation: ABI, ankle-brachial index; CAP, complex aortic plaque; NAP, non-stenotic relevant artery plaque; MACE, major adverse cardiovascular event; TIA, transient ischemic attack. Data are expressed as mean ± standard deviation or number (%).