

SUPPLEMENTARY MATERIAL

The univariate analyses that preceded the multiple regression models in Tables 3, 4, 5 and 6 are presented below.

Univariate analysis for the model in Table 3

Variables	OR	95% CI	p
Age (years)	1.02	1.00 - 1.03	0.007
Sex (male)	0.72	0.54 - 0.97	0.032
Race (non-white)	1.53	0.98 - 2.39	0.059
Systemic arterial hypertension	0.98	0.69 - 1.38	0.894
Diabetes mellitus	0.82	0.61 - 1.11	0.206
Dyslipidemia	0.69	0.47 - 1.01	0.056
Smoking	0.80	0.60 - 1.08	0.146
Alcoholism	1.20	0.84 - 1.73	0.321
Use of illicit drugs	0.94	0.24 - 3.64	0.925
Atrial fibrillation	0.09	0.05 - 0.15	0.000
History of previous stroke	1.45	0.91 - 2.32	0.118
Acetylsalicylic acid	1.03	0.70 - 1.51	0.899
Clopidogrel	0.94	0.46 - 1.92	0.875
Oral anticoagulant	0.78	0.35 - 1.77	0.558
ACEI or ARB	0.81	0.58 - 1.13	0.211
Statins	1.29	0.86 - 1.95	0.217
NIHSS at admission	0.99	0.97 - 1.02	0.606
Bamford (Ref: LACS)			0.000
PACS ischemic stroke	2.40	1.68 - 3.43	0.000
POCS ischemic stroke	1.95	1.26 - 3.02	0.003
TACS ischemic stroke	2.34	1.37 - 3.99	0.002
Previous mRS	1.20	1.03 - 1.41	0.020
Echocardiogram	0.32	0.20 - 0.50	0.000

OR: odds ratio; 95% CI: 95% confidence interval; ACEI: angiotensin-converting enzyme inhibitor; ARB: angiotensin II receptor blocker; NIHSS: National Institutes of Health Stroke Scale; PACS: partial anterior circulation syndromes; POCS: posterior circulation syndromes; TACS: total anterior circulation syndromes; mRS: Modified Rankin scale.

Univariate analysis for the model in Table 4

Variables	OR	95% CI	p
Age (years)	1.02	1.00 - 1.05	0.077
Male	2.19	1.19 - 4.03	0.012
Race (non-white)	1.01	0.43 - 2.40	0.974
Systemic arterial hypertension	2.02	0.93 - 4.36	0.075
Diabetes	1.56	0.86 - 2.82	0.144
Dyslipidemia	1.22	0.59 - 2.56	0.590
Smoking	0.86	0.45 - 1.65	0.656
Alcoholism	0.78	0.35 - 1.74	0.541
Use of illicit drugs	0.00	0.00	0.999
Atrial fibrillation	1.44	0.68 - 3.06	0.345
History of previous stroke	1.68	0.66 - 4.31	0.277
Acetylsalicylic acid	1.78	0.88 - 3.63	0.110
Clopidogrel	0.38	0.06 - 2.42	0.307
Oral anticoagulant	0.21	0.03 - 1.28	0.090
ACEI or ARB	0.80	0.41 - 1.53	0.494
Statins	0.82	0.38 - 1.77	0.616
NIHSS at admission	1.11	1.07 - 1.16	0.000
Bamford			0.001
PACS ischemic stroke	14.05	1.79 - 110.03	0.012
TACS ischemic stroke	26.48	3.23 - 217.35	0.002
LACS ischemic stroke	36.40	4.50 - 294.63	0.001
mRS at admission	0.86	0.66 - 1.12	0.258
Echocardiogram	0.08	0.04 - 0.16	0.000
Undetermined TOAST	2.38	1.24 - 4.55	0.009

OR: odds ratio; 95% CI: 95% confidence interval; ACEI/ARB: angiotensin-converting enzyme inhibitor/angiotensin II receptor blocker; NIHSS: National Institutes of Health Stroke Scale; PACS: partial anterior circulation syndromes; TACS: total anterior circulation syndromes; LACS: lacunar syndromes; mRS: Modified Rankin scale; TOAST: Trial of Org 10172 in Acute Stroke Treatment.

Univariate analysis for the model in Table 5

Variables	β	95% CI		<i>p</i>
Male	-0.293	-0.844	0.258	0.297
Race (non-white)	0.265	-0.550	1.080	0.524
Age (years)	0.024	0.003	0.044	0.025
NIHSS at admission	0.567	0.519	0.615	0.000
mRS at admission	0.429	0.147	0.710	0.003
Systemic arterial hypertension	-0.196	-0.826	0.433	0.541
Diabetes	0.046	-0.484	0.576	0.865
Dyslipidemia	-0.315	-0.968	0.338	0.345
Smoking	0.113	-0.402	0.629	0.666
Alcoholism	0.543	-0.074	1.161	0.084
Use of illicit drugs	0.540	-1.757	2.838	0.645
Atrial fibrillation	-0.396	-1.115	0.322	0.280
History of previous stroke	0.348	-0.460	1.157	0.399
Acetylsalicylic acid	0.287	-0.397	0.971	0.411
Clopidogrel	0.528	-0.656	1.713	0.382
Oral anticoagulant	-0.910	-2.106	0.285	0.136
ACEI or ARB	-0.075	-0.645	0.496	0.797
Statins	0.202	-0.519	0.923	0.583
POCS ischemic stroke	2.462	1.470	3.454	0.000
LACS ischemic stroke	0.164	-0.602	0.930	0.674
TACS ischemic stroke	0.564	-0.050	1.178	0.072
PACS ischemic stroke	0 ^a			
Echocardiogram variables				
LA (mm)	0.031	-0.019	0.080	0.229
LVM (g)	-0.002	-0.007	0.004	0.610
LVEF (%)	0.003	-0.022	0.028	0.787
ASC	0.053	-0.917	1.023	0.915
Mo LVH	0.672	-0.013	1.358	0.055
Mi LVH	0.189	-0.480	0.858	0.580
LVH	0 ^a			
SDD	-0.644	-3.291	2.003	0.634
MoDD	-0.567	-1.809	0.675	0.371
MiDD	0.018	-0.522	0.558	0.948
DD	0 ^a			
S MiV Insuf	-0.647	-3.662	2.368	0.674
Mo MiV Insuf	-1.267	-2.451	-0.083	0.036
Mi MiV Insuf	-0.900	-1.580	-0.220	0.009
MiV	0 ^a			
S AoV Insuf	-0.252	-2.577	2.072	0.832
Mo AoV Insuf	-0.072	-1.490	1.347	0.921
Mi AoV Insuf	0.157	-0.481	0.795	0.630
AoV	0 ^a			
Thrombus in the LA	-1.760	-5.400	1.881	0.343

NIHSS: National Institutes of Health Stroke Scale; mRS: Modified Rankin Scale; ACEI/ARB: angiotensin-converting enzyme inhibitor/angiotensin II receptor blocker; POCS: posterior circulation syndrome; LACS: lacunar syndrome; TACS: total anterior circulation syndrome; PACS: partial anterior circulation syndrome; LA: left atrium diameter; LVM: left ventricular mass; LVEF: left ventricular ejection fraction by the

Teichholz method; ASC: alteration of segmental contractility; LVH: left ventricular hypertrophy; SDD: severe diastolic dysfunction; MoDD: moderate diastolic dysfunction; MiDD: mild diastolic dysfunction; S MiV Insuf: severe mitral valve insufficiency; Mo MiV Insuf: moderate mitral valve insufficiency; Mi MiV Insuf: mild mitral valve insufficiency; S AoV Insuf: severe aortic valve insufficiency; Mo AoV Insuf: moderate aortic valve insufficiency; Mi AoV Insuf: mild aortic valve insufficiency.

Univariate analysis for the model in Table 6

Variables	OR	95% CI	p
Age (years)	1.020	1.003 - 1.036	0.018
Male	0.624	0.408 - 0.952	0.029
Alcoholism	1.706	1.097 - 2.655	0.018
History of previous stroke	1.501	0.845 - 2.667	0.166
Oral anticoagulant	0.507	0.196 - 1.311	0.161
NIHSS at admission	1.263	1.210 - 1.318	0.000
Bamford			0.220
PACS ischemic stroke	1.156	0.730 - 1.832	0.537
TACS ischemic stroke	1.630	0.910 - 2.920	0.100
LACS ischemic stroke	1.759	0.864 - 3.584	0.120
mRS at admission	2.357	1.862 - 2.983	0.000
Echocardiogram variables			
LA (mm)	0.992	0.958 - 1.028	0.663
LVM (g)	1.001	0.997 - 1.005	0.600
LVEF (%)	1.000	0.982 - 1.018	0.986
ASC	1.386	0.678 - 2.834	0.371
LVH			0.250
Mi LVH	1.516	0.907 - 2.532	0.112
Mo LVH	1.344	0.803 - 2.248	0.260
DD			0.753
MiDD	1.172	0.779 - 1.765	0.446
MoDD	1.209	0.463 - 3.157	0.699
SDD	0.473	0.053 - 4.209	0.502
AoV			0.769
Mi AoV Insuf	1.119	0.700 - 1.787	0.639
Mo AoV Insuf	0.846	0.285 - 2.509	0.763
S AoV Insuf	0.481	0.090 - 2.578	0.393
Thrombus in the LA	0.520	0.035 - 7.710	0.634

NIHSS: National Institute of Health Stroke Scale; mRS: Modified Rankin Scale; PACS: partial anterior circulation syndrome; TACS: total anterior circulation syndrome; LACS: lacunar syndrome; LA: left atrial diameter; LVM: left ventricular mass; LVEF: left ventricular ejection fraction by the Teichholz method; ASC: alteration of segmental contractility; LVH: left ventricular hypertrophy; MiDD: mild diastolic dysfunction; MoDD: moderate diastolic dysfunction; SDD: severe diastolic dysfunction; Mi AoV Insuf: mild aortic valve insufficiency; Mo AoV Insuf: moderate aortic valve insufficiency; S AoV Insuf: severe aortic valve insufficiency.

COMPARISON BETWEEN THOSE WHO UNDERWENT ECHOCARDIOGRAPHY AND THOSE WHO DID NOT

Variables	Echocardiogram performance				
	No (n=123)	Yes (n=977)		<i>p</i>	
Age (years)	75 (22-97)	69 (21-102)		0.002	
NIHSS at admission	14 (0-37)	5 (0-35)		< 0.001	
Previous mRS	0 (0-4)	0 (0-5)		0.044	
Male (%)	57	46.3	549	56.2	0.043
Race (non-white) (%)	15	12.2	92	9.4	0.332
Systemic arterial hypertension (%)	83	67.5	755	77.3	0.019
Diabetes mellitus (%)	42	34.1	341	34.9	0.920
Dyslipidemia (%)	21	17.1	170	17.4	1.000
Smoking (%)	37	30.1	442	45.2	0.001
Alcoholism (%)	21	17.1	235	24.1	0.090
Use of illicit drugs (%)	1	0.8	10	1.0	1.000
Atrial fibrillation (%)	22	17.9	181	18.5	0.903
History of previous stroke (%)	6	4.9	97	9.9	0.072
Acetylsalicylic acid (%)	27	22.0	275	28.1	0.164
Clopidogrel (%)	3	2.4	42	4.3	0.468
Oral anticoagulant (%)	10	8.1	44	4.5	0.116
ACEI or ARB (%)	50	40.7	420	43.0	0.630
Statins (%)	32	26.0	268	27.4	0.749
Undetermined TOAST (%)	82	66.7	366	37.5	<0.001

Values expressed as medians and interquartile ranges (25-75%) and as number and percentage. NIHSS: National Institute of Health Stroke Scale; mRS: Modified Rankin scale; ACEI: angiotensin-converting enzyme inhibitor; ARB: angiotensin II receptor blocker; TOAST: Trial of Org 10172 in Acute Stroke Treatment. Mann-Whitney test for numerical variables and Chi-square or Fisher's exact tests for categorical variables.