

Supplemental Table 4. Multivariable analysis and subgroup analyses via echocardiographic grading

Analytic strategies	Marker of diastolic dysfunction	
	Grade of LV diastolic dysfunction	OR [95% CI]
Multivariable binary logistic regression analysis		
At 3 months		
Functional dependency or death	Normal	Reference
	Grade I	1.25 [1.02-1.53]
	Grade II	1.26 [0.94-1.72]
	Grade III	1.68 [1.13-2.49]
Recurrent stroke	Normal	Reference
	Grade I	1.26 [0.89-1.80]
	Grade II	0.76 [0.42-1.39]
	Grade III	0.89 [0.44-1.80]
Composite vascular events	Normal	Reference
	Grade I	1.22 [0.87-1.72]
	Grade II	0.90 [0.52-1.56]
	Grade III	0.90 [0.46-1.78]
At 1 year		
Functional dependency or death	Normal	Reference
	Grade I	1.44 [1.15-1.80]
	Grade II	1.19 [0.85-1.66]
	Grade III	2.01 [1.31-3.07]
Recurrent stroke	Normal	Reference
	Grade I	1.12 [0.81-1.56]
	Grade II	1.08 [0.67-1.74]
	Grade III	0.97 [0.53-1.80]
Composite vascular events	Normal	Reference
	Grade I	1.15 [0.84-1.57]
	Grade II	1.14 [0.73-1.78]
	Grade III	0.99 [0.56-1.78]
Ordinal logistic regression models (continuous scale of mRS score as a dependent variable)		
mRS score at 3 months		
	Normal	Reference
	Grade I	1.20 [1.02-1.40]
	Grade II	1.11 [0.88-1.40]
	Grade III	1.58 [1.16-2.15]
mRS score at 1 year		
	Normal	Reference
	Grade I	1.27 [1.07-1.51]
	Grade II	1.08 [0.84-1.38]
	Grade III	1.73 [1.25-2.40]
Subjects with preserved ejection fraction (N = 2,751)*		
Functional dependency or death at 3 months (mRS score 2-6)		
	Normal	Reference
	Grade I	1.22 [1.00-1.50]
	Grade II	1.29 [0.95-1.76]
	Grade III	1.72 [1.15-2.58]
Composite vascular events at 3 months		
	Normal	Reference
	Grade I	1.16 [0.82-1.64]
	Grade II	0.92 [0.53-1.58]
	Grade III	0.91 [0.46-1.80]
Functional dependency or death at 1 year (mRS score 2-6)		
	Normal	Reference
	Grade I	1.40 [1.12-1.76]
	Grade II	1.17 [0.83-1.64]
	Grade III	2.06 [1.34-3.16]
Composite vascular events at 1 year		
	Normal	Reference
	Grade I	1.09 [0.80-1.49]
	Grade II	1.13 [0.72-1.77]
	Grade III	1.03 [0.57-1.84]

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Supplemental Table 4. Continued

Analytic strategies	Marker of diastolic dysfunction	
	Grade of LV diastolic dysfunction	OR [95% CI]
Subjects without atrial fibrillation (N = 2,394) [†]		
Functional dependency or death at 3 months (mRS score 2-6)	Normal	Reference
	Grade I	1.17 [0.94-1.46]
	Grade II	1.09 [0.77-1.54]
	Grade III	1.27 [0.79-2.05]
Composite vascular events at 3 months	Normal	Reference
	Grade I	1.23 [0.85-1.78]
	Grade II	0.79 [0.40-1.56]
	Grade III	1.08 [0.47-2.49]
Functional dependency or death at 1 year (mRS score 2-6)	Normal	Reference
	Grade I	1.40 [1.11-1.79]
	Grade II	1.06 [0.73-1.55]
	Grade III	1.78 [1.08-2.92]
Composite vascular events at 1 year	Normal	Reference
	Grade I	1.18 [0.85-1.65]
	Grade II	1.04 [0.61-1.76]
	Grade III	0.96 [0.46-2.02]

Multivariable models were adjusted for age, sex, hyperacute recanalization treatment, mechanism of ischemic stroke, hypertension, diabetes, hyperlipidemia, habitual smoking, atrial fibrillation, hemoglobin, initial random glucose, total cholesterol, NIHSS at initial presentation, and mRS score before the index stroke. LV, left ventricle; OR, odds ratio; CI, confidence interval; mRS, modified Rankin Scale; composite vascular events include recurrent stroke, myocardial infarction and vascular death after the index stroke.

*Outcomes for the subjects with a preserved ejection fraction were available in 2,737 (mRS score) and 2,751 (recurrent stroke and composite vascular events) cases at 3 months and 2,445 (mRS score) and 2,484 (recurrent stroke and composite vascular events) cases at 1 year; [†]Outcomes for the subjects without atrial fibrillation were available in 2,379 (mRS score) and 2,394 (recurrent stroke and composite vascular events) cases at 3 months and 2,151 (mRS score) and 2,185 (recurrent stroke and composite vascular events) cases at 1 year.