

SUPPLEMENTAL MATERIAL

Table S1. Pooled results of visits3 and 4A for concurrent associations between symptoms and MRI infarcts along with breakdown of results separately for Baseline MRI visit and Follow-up MRI visit.

	Unadjusted Odds Ratio of having concurrent MRI infarcts (95% confidence interval; p-value)	Adjusted¹ Odds Ratio of having concurrent MRI infarcts (95% confidence interval; p-value)	Adjusted² Odds Ratio of having concurrent MRI infarcts (95% confidence interval; p-value)
Baseline MRI visit (n=1873)			
≥ 1 Symptom	2.24 (1.16, 4.32; 0.016)	2.40 (1.22, 4.74; 0.012)	2.30 (1.15, 4.59; 0.018)
Speech problem	6.66 (2.22, 20.01; 0.001)	6.50 (2.07, 20.44; 0.001)	5.60 (1.75,17.86; 0.004)
Vision problem	1.80 (0.60, 5.40; 0.29)	2.22 (0.72, 6.87; 0.17)	2.04 (0.65, 6.41; 0.23)
Double vision	2.33 (0.24, 22.44;0.47)	2.54 (0.22, 29.79; 0.46)	2.02 (0.55, 7.49; 0.29)
Paralysis	***	***	***
Dizziness	1.90 (0.40, 9.02; 0.42)	2.11 (0.42, 10.70; 0.37)	2.01 (0.39, 10.47; 0.41)
Numbness	***	***	***
TIA symptoms	2.69 (1.19, 6.08; 0.018)	2.62 (1.12, 6.09; 0.026)	2.41 (1.02, 5.69; 0.04)
Stroke symptoms	1.45 (0.49, 4.25; 0.50)	1.82 (0.60, 5.51; 0.29)	1.86 (0.61, 5.72; 0.28)
Follow-up MRI visit (n=1006)			
≥ 1 Symptom	2.11 (1.18, 3.78; 0.012)	2.02 (1.12, 3.65; 0.02)	1.84 (1.00, 3.38; 0.048)

Speech problem	1.89 (0.45, 7.97; 0.39)	2.00 (0.46, 8.75; 0.36)	1.66 (0.38, 7.27; 0.50)
Vision problem	1.77 (0.81, 3.89; 0.15)	1.64 (0.73, 3.66; 0.23)	1.59 (0.71, 3.57; 0.26)
Double vision	1.57 (0.39, 6.34; 0.52)	1.49 (0.36, 6.07; 0.58)	1.53 (0.37, 6.35; 0.56)
Paralysis	12.70 (1.41, 114.20; 0.023)	14.55 (1.57, 134.44; 0.018)	10.06 (1.01, 100.00; 0.049)
Dizziness	3.14 (0.20, 50.33; 0.42)	3.50 (0.22, 56.50; 0.38)	3.14 (0.19, 50.79; 0.42)
Numbness	4.79 (1.34, 17.12; 0.016)	4.80 (1.32, 17.44; 0.017)	3.71 (0.95, 14.46; 0.06)
TIA symptoms	1.09 (0.48, 2.47; 0.84)	1.09 (0.48, 2.51; 0.84)	1.09 (0.47, 2.53; 0.84)
Stroke symptoms	5.30 (2.17, 12.95; <0.001)	4.84 (1.95, 12.02; 0.001)	4.00 (1.59, 10.07; 0.003)
Pooled Data from Baseline and Follow- up MRI visits			
≥ 1 Symptom	2.15 (1.35, 3.44; 0.001)	2.09 (1.31, 3.32; 0.002)	1.95 (1.21, 3.13; 0.006)
Speech problem	4.08 (1.59, 10.51; 0.004)	3.97 (1.47, 10.72; 0.007)	3.54 (1.33, 9.41; 0.11)
Vision problem	1.78 (0.94, 3.38; 0.08)	1.75 (0.86, 3.55; 0.12)	1.66 (0.83, 3.35; 0.16)
Double vision	1.26 (0.35, 4.56; 0.73)	1.07 (0.28, 4.20; 0.92)	1.00 (0.24, 4.15; 1.00)
Paralysis	4.38 (1.27, 15.05; 0.02)	4.51 (1.50, 13.55; 0.007)	3.23 (0.97, 10.70; 0.06)
Dizziness	2.14 (0.58, 7.91; 0.26)	2.21 (0.57, 8.52; 0.25)	2.13 (0.57, 7.98; 0.26)
Numbness	1.92 (0.80, 4.60; 0.14)	2.01 (0.84, 4.79; 0.12)	1.53 (0.60, 3.91; 0.37)
TIA symptoms	1.57 (.83, 2.97; 0.16)	1.52 (0.81, 2.87; 0.20)	1.47 (0.77, 2.79; 0.24)
Stroke symptoms	3.13 (1.64, 5.97; 0.001)	3.08 (1.63, 5.83; 0.001)	2.79 (1.46, 5.33; 0.002)

*** Indicates failure of model convergence

Table S2. Few symptomatic participants at visit 3 or visit 4A continued to report symptoms on follow-up visits.

	Baseline MRI visit	Visit 4		Total
		No Symptoms	Symptoms	
	No Symptoms	955 (98%)	21 (2%)	976
	Symptoms	21 (88%)	3 (12%)	24
		976	24	

	Baseline MRI visit	Follow-up MRI visit		Total
		No Symptoms	Symptoms	
	No Symptoms	942 (93%)	68 (7%)	1010
	Symptoms	3 (96%)	1 (4%)	4
		945	69	

		Follow-up MRI visit		Total
		No Symptoms	Symptoms	
Visit 4	No Symptoms	912 (94%)	63 (6%)	975
	Symptoms	20 (83%)	4 (17%)	24
		932	67	

Assessment of Missing MRI Data

Table S3. Baseline MRI visit and Visit 4 characteristics of those with and without MRI at Follow-Up MRI Visit. Participants with MRI at baseline but not Follow-up MRI visit (46%) were older, had higher systolic blood pressure, triglycerides and BMI, lower HDL, had higher prevalence of hypertension and diabetes and smoking history, although most differences were of questionable clinical significance. Participants at visit 4 who did not have MRI at Follow-up MRI visit (3%) had higher systolic and diastolic blood pressure and more prevalent diagnosis of hypertension.

Baseline MRI Visit characteristics	Missing MRI		Difference: Missing-Nonmissing	p-value for difference
	At Follow up MRI visit (n=873)	MRI done at Follow up MRI Visit (n=1006)		
Age	63.5 (4.5)	62.3 (4.4)	1.29 (0.89, 1.70)	<0.0001
SBP	130 (21.7)	126 (19.5)	4.13 (2.25, 6.01)	<0.0001
DBP	71 (11.7)	72 (10.6)	-0.77 (-1.78, 0.25)	0.14
Cholesterol	211 (39)	211 (38)	-0.62 (-4.13, 2.89)	0.73
HDL Cholesterol	54 (21)	57 (19)	-2.93 (-4.75, -1.11)	0.002
LDL Cholesterol	128 (36)	128 (35)	0.21 (-3.04, 3.45)	0.90
Triglycerides	142 (107)	131 (75)	11.54 (3.11, 19.97)	0.007
BMI	28.2 (5.7)	27.7 (4.8)	0.52 (0.04, 1.00)	0.03
Hypertension	466 (54%)	434 (43%)	11% (6%, 15%)	<0.001
Diabetes	153 (18%)	115 (12%)	6% (3%, 9%)	<0.001

Smoking				<0.001
Never	358 (41%)	479 (48%)	-7% (-11%, -2%)	
Former	308 (35%)	385 (38%)	3% (-7%, 1%)	
Current	204 (24%)	138 (14%)	10% (6%, 13%)	

Missing MRI				
	At Follow up	MRI done at		
Visit 4	MRI visit	Follow up MRI	Difference:	p-value for
characteristics	(n=30)	Visit (n=976)	Missing-Nonmissing	difference
Age	66.53 (3.81)	65.24 (4.37)	1.30 (-0.15, 2.74)	0.08
SBP	137.50 (21.84)	128.78 (18.90)	8.72 (0.49, 16.96)	0.04
DBP	77.33 (13.18)	70.93 (10.00)	6.40 (1.44, 11.36)	0.01
Cholesterol	197.64 (34.94)	201.71 (38.72)	-4.07 (-17.56, 9.42)	0.54
HDL Cholesterol	51.71 (14.62)	52.62 (16.63)	-0.90 (-6.55, 4.75)	0.75
LDL Cholesterol	120.90 (34.62)	122.86 (33.19)	-1.96 (-15.54, 11.61)	0.77
Triglycerides	133.19 (79.22)	131.97 (80.66)	1.22 (-29.29, 31.74)	0.94
Body Mass			1.27 (-0.44, 2.99)	
Index	29.36 (4.52)	28.09 (4.93)		0.14
Hypertension	22 (73%)	483 (50%)	24% (7%, 40%)	0.02
Diabetes	7 (23%)	139 (14%)	9% (-6%, 24%)	0.19
Smoking				0.45
Never	11 (37%)	462 (48%)	-11% (-28% , 7%)	
Former	14 (47%)	386 (39%)	7% (-11%, 25%)	

Current	5 (16%)	122 (13%)	4% (-9%, 18%)
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t-test with unequal variance and Chi-Squared used for continuous and categorical variables respectively

Values for differences are estimates (95% confidence interval)