Supplementary Material

Supplemental Methods

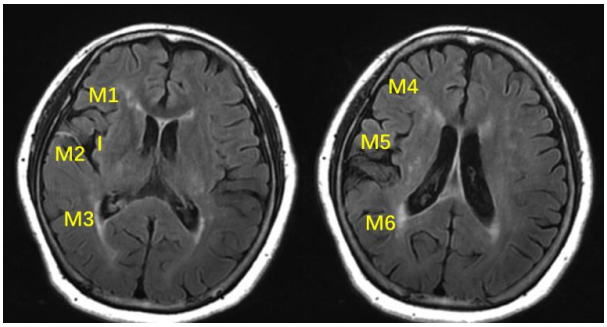

Figure S1. FVH-ASPECTS, a semi-quantitative scoring system for the evaluation of FLAIR vascular hyperintensity robustness in accordance with insular and M1-M6 regions in Alberta Stroke Program Early Computed Tomography Score (ASPECTS). I: insular region.

Supplemental Results

Table S1. Factors associated with symptomatic status in intracranial ICA or MCA occlusion

Parameter	Univariate		Multivariate	
	OR (95% CI)	***P* value**	**OR (95% CI)**	***P* value**
Model 1: Model recruiting FVH-ASPECTS and ASL-collateral circulation				
Age (per year)	1.033 (1.002–1.065)	0.038	0.999(0.957–1.042)	0.952
Sex (male vs female)	3.157 (1.033–9.650)	0.044	1.493 (0.374–5.962)	0.571
Occlusive site (MCA vs ICA)	1.886(0.886–4.012)	0.100	1.491 (0.546–4.069)	0.436
FVH-ASPECTS (per score)	3.420 (2.179–5.368)	<0.0001	2.973 (1.849–4.781)	<0.0001
ASL-collateral circulation (per grade)	0.441 (0.294–0.662)	0.001	0.735 (0.453–1.193)	0.213
Model 2: Model recruiting ASL-collateral circulation				
Age (per year)	1.033 (1.002–1.065)	0.038	1.017(0.979–1.055)	0.390
Sex (male vs female)	3.157 (1.033–9.650)	0.044	2.482 (0.739–8.329)	0.141
Occlusive site (MCA vs ICA)	1.886(0.886–4.012)	0.100	1.734 (0.715–4.208)	0.224
ASL-collateral circulation (per grade)	0.441 (0.294–0.662)	0.001	0.474 (0.309–0.727)	0.001
Model 3: Model recruiting FVH-ASPECTS				
Age (per year)	1.033 (1.002–1.065)	0.038	1.001(0.968–1.049)	0.725
Sex (male vs female)	3.157 (1.033–9.650)	0.044	1.284 (0.333–4.956)	0.717
Occlusive site (MCA vs ICA)	1.886(0.886–4.012)	0.100	1.635 (0.607–4.403)	0.330
FVH-ASPECTS (per score)	3.420 (2.179–5.368)	<0.0001	3.232 (2.031–5.143)	<0.0001

OR, odds ratio; CI, confidence interval; MCA, middle cerebral artery; ICA, internal carotid artery; FVH, fluid-attenuated inversion recovery imaging vascular hyperintensity; ASL, arterial spin labeling

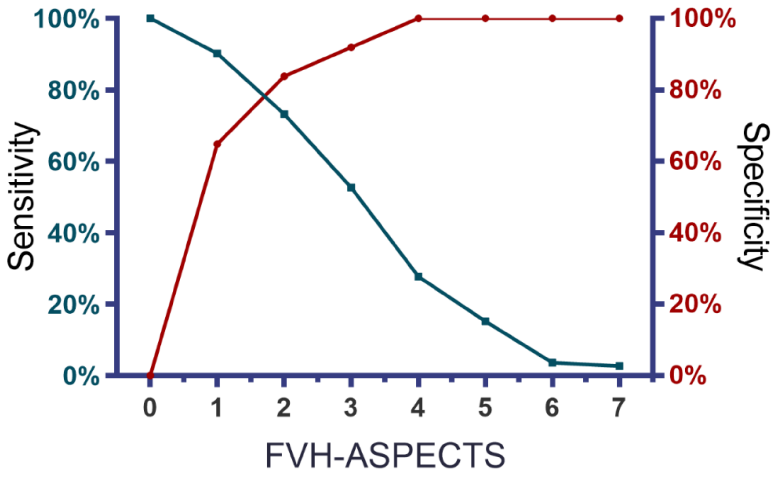

Figure S2. FVH-ASPECTS threshold effect on the sensitivity and specificity for identifying symptomatic status. It shows that the sensitivity decreases, and specificity increases along with the FVH-ASPECTS threshold increasing. FVH-ASPECTS: FLAIR vascular hyperintensity Alberta Stroke Program Early Computed Tomography Score.