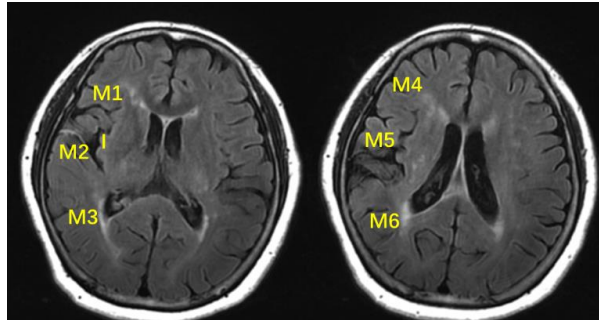


## Supplementary Material

### *Supplemental Methods*

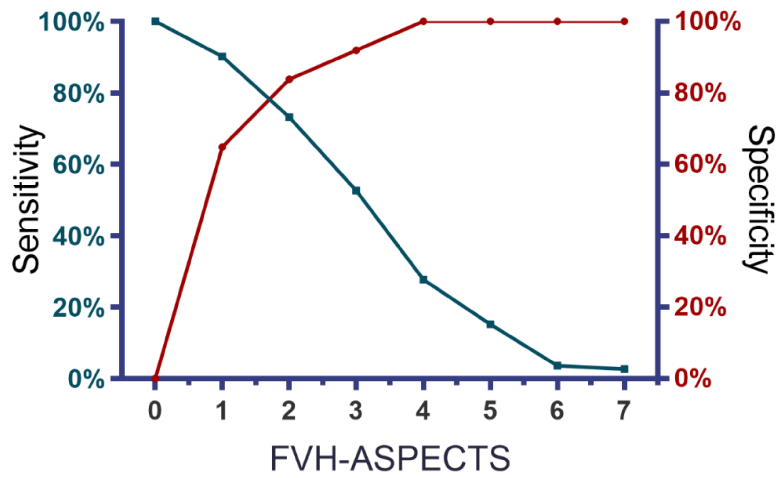


**Figure S1.** FVH-ASPECTS, a semi-quantitative scoring system for the evaluation of FLAIR vascular hyperintensity robustness in accordance with insular and M1-M6 regions in Alberta Stroke Program Early Computed Tomography Score (ASPECTS). I: insular region.

*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
<b>Model 1: Model recruiting FVH-ASPECTS and ASL-collateral circulation</b>				
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
<b>Model 2: Model recruiting ASL-collateral circulation</b>				
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
<b>Model 3: Model recruiting FVH-ASPECTS</b>				
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.