

ORIGINAL RESEARCH ARTICLE

Fried-Breadstick sign: A novel marker for healthy vasculature in magnetic resonance angiography

Supplementary Files

Supplementary Table

Table S1. Multivariate analysis of the FB sign with old and new MRA protocols

Variable	Patients scanned before June 2013 (n=637)		Patients scanned after June 2013 (n=313)	
	OR (95% CI)	P-value	OR (95% CI)	P-value
Moderate ICA stenosis	0.56 (0.38 – 0.83)	0.004*	0.17 (0.09 – 0.31)	<0.001*
Severe ICA stenosis	0.14 (0.07 – 0.28)	<0.001*	0.05 (0.03 – 0.12)	<0.001*
MCA stenosis degree, per 10% increase	0.87 (0.80 – 0.94)	<0.001*	0.81 (0.74 – 0.90)	<0.001*
^a Bifurcation angle, per 10% increase	0.86 (0.78 – 0.95)	0.003*	0.82 (0.71 – 0.94)	0.007*

Notes: *P<0.05; ^aThe sum of the two groups is not equal to the total sample size because the bifurcation angle was not measurable in patients with invisible anterior cerebral artery (diseased or anatomy variation) on MRA.

Abbreviations: CI: Confidence interval; FB: Fried-breadstick; ICA: Internal carotid artery; IQR: Interquartile range; MCA: Middle cerebral artery; OR: Odds ratio; SD: Standard deviation.

Supplementary Figures

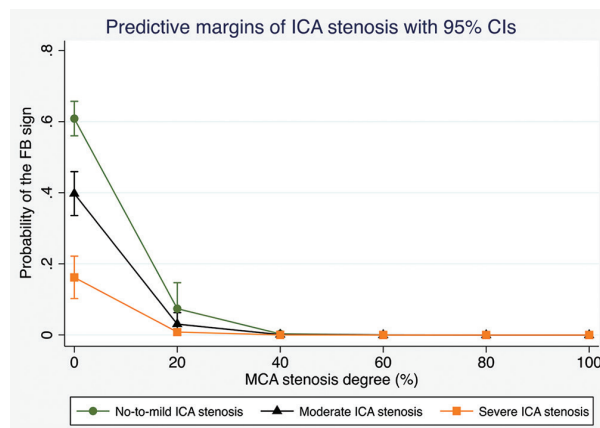


Figure S1. Probability of FB sign at different ICA and MCA stenosis degrees.

Abbreviations: CI: Confidence interval; FB: Fried-breadstick; ICA: Internal carotid artery; MCA: Middle cerebral artery.

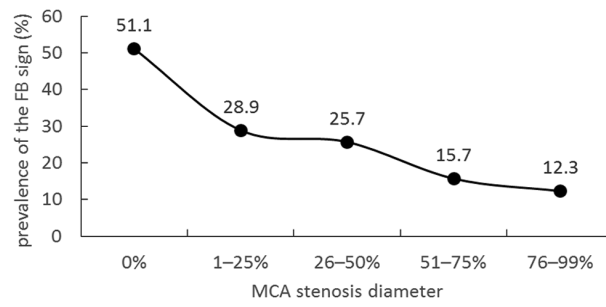


Figure S2. Prevalence of the Fried-Breadstick sign in MCA stenosis across different diameter ranges.
Abbreviation: MCA: Middle cerebral artery.