Supplementary

Table S1 Clinical and morphological characteristics of hypertensive-related MCA aneurysm patients in testing datasets

Characteristics	Ruptured (n=22)	Unruptured (n=23)	P value
Clinical variables			
Sex (male/female)	9/13	10/13	0.862
Age (years)	60.5 (57.3, 67.3)	71.0 (62.1, 72.5)	0.207
Smoking (yes)	8 (80.0)	2 (20.0)	0.026
Morphological characteristics			
Aneurysm size (mm)	6.8 (5.8, 8.7)	4.4 (4.2, 5.9)	0.002
Aneurysm neck (mm)	4.0 (3.6, 4.9)	3.9 (3.6, 4.7)	1.000
Vessel size (mm)	2.1 (1.8, 2.3)	2.3 (2.1, 2.5)	0.128
AR	1.0 (0.9, 1.4)	0.7 (0.6, 0.9)	0.002
SR	2.8 (1.8, 5.3)	1.2 (1.1, 1.9)	<0.001
Aneurysm angle (°)	71.7 (63.6, 76.6)	69.8 (65.1, 79.8)	0.519
Vessel angle (°)	45.6 (33.5, 56.2)	59.1 (38.6, 66.9)	0.256
Flow angle (°)	129.5 (117.5, 147.1)	145.8 (125.5, 153.1)	0.454
Irregular shape	15 (71.4)	6 (28.6)	0.005
Daughter sac	7 (70.0)	3 (30.0)	0.130
Aneurysm location			0.140
Main MCA bifurcation	17 (56.7)	13 (43.3)	
Non-main MCA bifurcation	5 (33.3)	10 (66.7)	
Transverse orientation			0.439
Anterior	4 (33.3)	8 (66.7)	
Posterior	3 (50.0)	3 (50.0)	
Neutral	15 (55.6)	12 (44.4)	
Coronal orientation			0.020
Superior	10 (58.8)	7 (41.2)	
Inferior	9 (69.2)	4 (30.8)	
Neutral	3 (20.0)	12 (80.0)	

Data are presented ad median (interquartile range) or n (%). The P value level chosen to determine significance was established to be 0.05. AR, aspect ratio; MCA, middle cerebral artery; SR, size ratio.

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