

Supplementary

Table S1 Characteristics of patients in external validation set

Patients clinical information	Unstable (n=98)	Stable (n=99)	P
Female (%)	66 (67.3)	63 (63.6)	0.654
Age (years, mean \pm SD)	64.43 \pm 12.67	67.82 \pm 11.87	0.054
Hypertension (%)	36 (36.7)	32 (32.3)	0.551
Heart disease (%)	20 (20.4)	25 (25.3)	0.498
Diabetes mellitus (%)	56 (57.1)	50 (50.5)	0.392
Cerebrovascular sclerosis (%)	10 (10.2)	21 (21.2)	0.049
Alcohol consumption (%)	16 (16.3)	28 (28.3)	0.059
Smoking (%)	20 (20.4)	28 (28.3)	0.246
SAH history (%)	1 (1.0)	0 (0.0)	>0.99

SD, standard deviation; SAH, subarachnoid hemorrhage.

Table S2 Characteristics of intracranial aneurysms in external validation set

Aneurysms parameters	Unstable (n=106)	Stable (n=123)	P
Location (%)			
ACoA	43 (40.6)	10 (8.1)	<0.001
ACA	2 (1.9)	3 (2.4)	>0.99
MCA	15 (14.2)	20 (16.3)	0.715
PCoA	36 (34.0)	28 (22.8)	0.076
ICA	5 (4.7)	57 (46.3)	<0.001
PCA	5 (4.7)	5 (4.1)	>0.99
Multiple aneurysms (%)	27 (25.5)	29 (23.6)	0.760
Bifurcation (%)	82 (77.4)	34 (27.6)	<0.001
Irregular shape (%)	79 (74.5)	5 (4.1)	<0.001
Daughter sac (%)	68 (64.2)	3 (2.4)	<0.001
Neck width (mm)	5.05±1.71	3.67±1.01	<0.001
Height (mm)	5.48±2.70	2.46±0.96	<0.001
Depth (mm)	5.87±2.79	2.60±1.04	<0.001
Width (mm)	6.34±3.54	3.16±1.03	<0.001
Maximum size (mm)	7.71±3.34	3.90±1.22	<0.001
Parent artery diameter (mm)	3.41±0.98	3.86±0.94	<0.001
Mean artery diameter (mm)	3.09±0.86	3.68±0.93	<0.001
AR	1.21±0.50	0.73±0.28	<0.001
DW	1.00±0.34	0.83±0.24	<0.001
BF	1.26±0.51	0.86±0.17	<0.001
SR	2.05±1.21	0.74±0.33	<0.001
FA	133.24±23.04	109.16±28.81	<0.001

ACoA, anterior communicating artery; ACA, anterior cerebral artery; MCA, middle cerebral artery; PCoA, posterior communicating artery; ICA, internal carotid artery; PCA, posterior circulation artery; AR, aspect ratio; DW, depth-to-width ratio; BF, bottleneck factor; SR, size ratio; FA, flow angle.