

On-line Table: Morphologic and hemodynamic risk factors before and after aneurysm rupture

Indices (Aneurysm at Risk)	Case 1		Case 2		Case 3		Case 4	
	4 Months before Rupture	Rupture	12 Months before Rupture	Rupture	20 Months before Rupture	Rupture	24 Months before Rupture	Rupture
Qualitative morphologic risk factor Blebs ^{16,17}	No	Yes ^a	Yes ^a	Yes ^a	No	Yes ^a	No	Yes ^a
Quantitative morphologic risk factor AR (>1.6) ²	1.17	1.44	1.93 ^a	2.38 ^a	1.50	1.32	2.16 ^a	2.68 ^a
SR (>1.75) ¹⁵	1.47	1.88 ^a	3.58 ^a	3.66 ^a	3.58 ^a	4.09 ^a	2.08 ^a	3.42 ^a
NSI (>0.16) ¹⁵	0.48 ^a	0.34 ^a	0.34 ^a	0.27 ^a	0.27 ^a	0.26 ^a	0.40 ^a	0.34 ^a
AVSV (≥0.5) ⁴	0.29	0.42	0.38	0.47	0.51 ^a	0.56 ^a	0.46	0.37
AASA (≤0.86) ⁴	0.66 ^a	0.68 ^a	0.63 ^a	0.65 ^a	0.69 ^a	0.73 ^a	0.79 ^a	0.63 ^a
Qualitative hemodynamic risk factor Inflow jet size ¹⁴	Large	Small ^a	Small ^a	Small ^a	Small ^a	Small ^a	Large	Small ^a
Impingement size ¹⁴	Large	Small ^a	Small ^a	Small ^a	Large	Large	Large	Large
Complex flow pattern ¹⁴	No	Yes ^a	Yes ^a	Yes ^a	No	Yes ^a	No	Yes ^a
Quantitative hemodynamic risk factor NWSS (<0.39) ¹⁵	1.52	1.54	1.49	1.29	1.95	2.13	1.95	2.45
MWSS (<2.40) ¹⁵	2.45	2.16 ^a	1.78 ^a	2.79	2.82	3.25	2.35 ^a	2.37 ^a
Pulsatility index ⁸	2.88 ^a	2.68 ^a	2.96 ^a	2.97 ^a	1.69 ^a	1.65 ^a	3.00 ^a	2.99 ^a

Note:—AR indicates aspect ratio; NWSS, normalized wall shear stress; MWSS, maximum wall shear stress.

^a Depicted rupture risk.