

Supplementary Table 2. Characteristics and clinical outcomes of patients with aneurysmal subarachnoid hemorrhage according to aneurysm location

Aneurysm location	ICA siphon and bifurcation	MCA	A-com	P-com	Basilar artery	Vertebral artery	Unspecified	Total	P-value
Number of patients	1,822 (2.2%)	15,214 (18.2%)	20,894 (25.0%)	12,309 (14.7%)	2,016 (2.4%)	1,291 (1.5%)	30,041 (35.9%)	83,587 (100%)	
Sex									<0.001
Male	552 (30.3%)	5,555 (36.5%)	10,420 (49.9%)	1,988 (16.2%)	555 (27.5%)	596 (46.2%)	9,966 (33.2%)	29,632 (35.5%)	
Female	1,270 (69.7%)	9,659 (63.5%)	10,474 (50.1%)	10,321 (83.8%)	1,461 (72.5%)	695 (53.8%)	20,075 (66.8%)	53,955 (64.5%)	
Age (years)	54.6±13.5	55.9±12.2	55.0±12.5	60.6±13.2	58.6±12.7	53.3±12.5	57.4± 13.3	56.9± 13.0	<0.001
Treatment method									<0.001
Microsurgical clip	748 (41.1%)	11,052 (72.6%)	10,755 (51.5%)	5,532 (44.9%)	207 (10.3%)	106 (8.2%)	13,331 (44.4%)	41,731 (49.9%)	
Endovascular treatment	1,074 (58.9%)	4,162 (27.4%)	10,139 (48.5%)	6,777 (55.1%)	1,809 (89.7%)	1,185 (91.8%)	16,710 (55.6%)	41,856 (50.1%)	
Simple coil	642 (35.2%)	3,243 (21.3%)	8,357 (40.0%)	5,085 (41.3%)	1,196 (59.3%)	790 (61.2%)	12,833 (42.7%)	32,146 (38.5%)	
Stent-assisted coil	432 (23.7%)	919 (6.0%)	1,782 (8.5%)	1,692 (13.7%)	613 (30.4%)	395 (30.6%)	3,877 (12.9%)	9,710 (11.6%)	
Mortality (3 months)	243 (13.3%)	1,818 (11.9%)	2,292 (11.0%)	1,350 (11.0%)	340 (16.9%)	329 (25.5%)	4,041 (13.5%)	10,413 (12.5%)	<0.001
Poor prognosis	348 (19.1%)	3,183 (20.9%)	3,800 (18.2%)	2,052 (16.7%)	504 (25.0%)	455 (35.2%)	6,555 (21.8%)	16,897 (20.2%)	<0.001

ICA, internal carotid artery; MCA, middle cerebral artery; A-com, anterior communicating artery; P-com, posterior communicating artery.

Supplementary Table 3. Characteristics and clinical outcomes of patients with aneurysmal subarachnoid hemorrhage due to middle cerebral artery aneurysm (I60.1) according to year of admission

Year	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total	P-value
Number of patients	846	842	900	916	959	983	965	947	983	969	999	933	992	960	1,032	988	15,214	
Sex																		0.178
Male	327 (38.7%)	313 (37.2%)	325 (36.1%)	351 (38.3%)	344 (35.9%)	367 (37.3%)	386 (40.0%)	338 (35.7%)	351 (35.7%)	343 (35.4%)	380 (38.0%)	335 (35.9%)	358 (36.1%)	357 (37.2%)	361 (35.0%)	319 (32.3%)	5,555 (36.5%)	
Female	519 (61.3%)	529 (62.8%)	575 (63.9%)	565 (61.7%)	615 (64.1%)	616 (62.7%)	579 (60.0%)	609 (64.3%)	632 (64.3%)	626 (64.6%)	619 (62.0%)	598 (64.1%)	634 (63.9%)	603 (62.8%)	671 (65.0%)	669 (67.7%)	9,659 (63.5%)	
Age (years)	53.7± 11.6	54.8± 12.1	54.8± 11.9	54.9± 12.1	54.4± 11.7	54.7± 12.0	55.4± 11.9	55.3± 11.6	55.9± 12.6	56.5± 12.0	56.8± 12.2	56.8± 12.4	56.0± 12.0	57.0± 12.3	58.5± 12.3	58.5± 12.9	55.9± 12.2	<0.001
Treatment method																		<0.001
Microsurgical clip	777 (91.8%)	742 (88.1%)	746 (82.9%)	794 (86.7%)	795 (82.9%)	819 (83.3%)	794 (82.3%)	767 (81.0%)	751 (76.4%)	686 (70.8%)	681 (68.2%)	616 (66.0%)	591 (59.6%)	537 (55.9%)	503 (48.7%)	453 (45.9%)	11,052 (72.6%)	
Endovascular treatment	69 (8.2%)	100 (11.9%)	154 (17.1%)	122 (13.3%)	164 (17.1%)	164 (16.7%)	171 (17.7%)	180 (19.0%)	232 (23.6%)	283 (29.2%)	318 (31.8%)	317 (34.0%)	401 (40.4%)	423 (44.1%)	529 (51.3%)	535 (54.1%)	4,162 (27.4%)	
Simple coil	69 (8.2%)	100 (11.9%)	141 (15.7%)	108 (11.8%)	139 (14.5%)	136 (13.8%)	130 (13.5%)	143 (15.1%)	178 (18.1%)	224 (23.1%)	254 (25.4%)	249 (26.7%)	327 (33.0%)	320 (33.3%)	372 (36.0%)	353 (35.7%)	3,243 (21.3%)	
Stent-assisted coil	0 (0.0%)	0 (0.0%)	13 (1.4%)	14 (1.5%)	25 (2.6%)	28 (2.8%)	41 (4.2%)	37 (3.9%)	54 (5.5%)	59 (6.1%)	64 (6.4%)	68 (7.3%)	74 (7.5%)	103 (10.7%)	157 (15.2%)	182 (18.4%)	919 (6.0%)	
Mortality (3 months)	116 (13.7%)	120 (14.3%)	102 (11.3%)	114 (12.4%)	108 (11.3%)	134 (13.6%)	108 (11.2%)	112 (11.8%)	113 (11.5%)	126 (13.0%)	106 (10.6%)	111 (11.9%)	104 (10.5%)	111 (11.6%)	114 (11.0%)	119 (12.0%)	1,818 (11.9%)	0.332
Poor prognosis	179 (21.2%)	191 (22.7%)	176 (19.6%)	195 (21.3%)	186 (19.4%)	220 (22.4%)	195 (20.2%)	201 (21.2%)	217 (22.1%)	218 (22.5%)	198 (19.8%)	192 (20.6%)	191 (19.3%)	195 (20.3%)	204 (19.8%)	225 (22.8%)	3,183 (20.9%)	0.566