

**Supplementary Table 6.** Characteristics and clinical outcomes of patients with aneurysmal subarachnoid hemorrhage due to basilar artery aneurysm (I60.4) 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	109	107	92	109	122	118	129	94	142	139	171	140	141	123	138	142	2,016	
Sex																		0.691
Male	33 (30.3%)	30 (28.0%)	27 (29.3%)	27 (24.8%)	38 (31.1%)	34 (28.8%)	33 (25.6%)	19 (20.2%)	38 (26.8%)	44 (31.7%)	44 (25.7%)	44 (31.4%)	46 (32.6%)	32 (26.0%)	35 (25.4%)	31 (21.8%)	555 (27.5%)	
Female	76 (69.7%)	77 (72.0%)	65 (70.7%)	82 (75.2%)	84 (68.9%)	84 (71.2%)	96 (74.4%)	75 (79.8%)	104 (73.2%)	95 (68.3%)	127 (74.3%)	96 (68.6%)	95 (67.4%)	91 (74.0%)	103 (74.6%)	111 (78.2%)	1,461 (72.5%)	
Age (years)	54.8± 12.7	55.9± 10.7	57.7± 11.0	57.8± 12.2	55.5± 12.1	56.7± 11.7	56.3± 13.2	58.4± 12.1	59.9± 13.0	58.6± 12.4	58.7± 12.8	61.4± 12.9	59.0± 14.0	59.8± 13.1	62.3± 13.2	62.1± 12.1	58.6± 12.7	<0.001
Treatment method																		<0.001
Microsurgical clip	20 (18.3%)	27 (25.2%)	17 (18.5%)	21 (19.3%)	13 (10.7%)	18 (15.3%)	17 (13.2%)	8 (8.5%)	12 (8.5%)	12 (8.6%)	15 (8.8%)	9 (6.4%)	9 (6.4%)	5 (4.1%)	1 (0.7%)	3 (2.1%)	207 (10.3%)	
Endovascular treatment	89 (81.7%)	80 (74.8%)	75 (81.5%)	88 (80.7%)	109 (89.3%)	100 (84.7%)	112 (86.8%)	86 (91.5%)	130 (91.5%)	127 (91.4%)	156 (91.2%)	131 (93.6%)	132 (93.6%)	118 (95.9%)	137 (99.3%)	139 (97.9%)	1,809 (89.7%)	
Simple coil	89 (81.7%)	75 (70.1%)	64 (69.6%)	63 (57.8%)	85 (69.7%)	72 (61.0%)	67 (51.9%)	55 (58.5%)	81 (57.0%)	78 (56.1%)	92 (53.8%)	82 (58.6%)	74 (52.5%)	62 (50.4%)	80 (58.0%)	77 (54.2%)	1,196 (59.3%)	
Stent-assisted coil	0 (0.0%)	5 (4.7%)	11 (12.0%)	25 (22.9%)	24 (19.7%)	28 (23.7%)	45 (34.9%)	31 (33.0%)	49 (34.5%)	49 (35.3%)	64 (37.4%)	49 (35.0%)	58 (41.1%)	56 (45.5%)	57 (41.3%)	62 (43.7%)	613 (30.4%)	
Mortality (3 months)	22 (20.2%)	17 (15.9%)	11 (12.0%)	15 (13.8%)	20 (16.4%)	18 (15.3%)	20 (15.5%)	13 (13.8%)	31 (21.8%)	32 (23.0%)	31 (18.1%)	25 (17.9%)	27 (19.1%)	17 (13.8%)	23 (16.7%)	18 (12.7%)	340 (16.9%)	0.529
Poor prognosis	29 (26.6%)	27 (25.2%)	20 (21.7%)	25 (22.9%)	30 (24.6%)	28 (23.7%)	29 (22.5%)	21 (22.3%)	52 (36.6%)	47 (33.8%)	41 (24.0%)	38 (27.1%)	36 (25.5%)	26 (21.1%)	31 (22.5%)	24 (16.9%)	504 (25.0%)	0.054

**Supplementary Table 7.** Characteristics and clinical outcomes of patients with aneurysmal subarachnoid hemorrhage due to vertebral artery aneurysm (I60.5) 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	35	36	42	60	72	87	79	78	83	82	105	94	101	124	107	106	1,291	
Sex																		0.991
Male	15 (42.9%)	15 (41.7%)	19 (45.2%)	31 (51.7%)	36 (50.0%)	42 (48.3%)	35 (44.3%)	34 (43.6%)	39 (47.0%)	38 (46.3%)	50 (47.6%)	42 (44.7%)	45 (44.6%)	50 (40.3%)	51 (47.7%)	54 (50.9%)	596 (46.2%)	
Female	20 (57.1%)	21 (58.3%)	23 (54.8%)	29 (48.3%)	36 (50.0%)	45 (51.7%)	44 (55.7%)	44 (56.4%)	44 (53.0%)	44 (53.7%)	55 (52.4%)	52 (55.3%)	56 (55.4%)	74 (59.7%)	56 (52.3%)	52 (49.1%)	695 (53.8%)	
Age (years)	51.5± 12.2	53.9± 10.5	50.4± 10.3	49.9± 11.8	52.3± 12.3	52.0± 13.1	52.0± 12.2	51.1± 12.2	53.4± 14.2	54.8± 12.6	53.1± 11.1	53.2± 13.0	55.1± 13.5	53.1± 12.5	54.7± 11.4	57.5± 13.1	53.3± 12.5	<0.001
Treatment method																		<0.001
Microsurgical clip	12 (34.3%)	6 (16.7%)	7 (16.7%)	5 (8.3%)	8 (11.1%)	8 (9.2%)	6 (7.6%)	6 (7.7%)	8 (9.6%)	7 (8.5%)	6 (5.7%)	8 (8.5%)	4 (4.0%)	8 (6.5%)	3 (2.8%)	4 (3.8%)	106 (8.2%)	
Endovascular treatment	23 (65.7%)	30 (83.3%)	35 (83.3%)	55 (91.7%)	64 (88.9%)	79 (90.8%)	73 (92.4%)	72 (92.3%)	75 (90.4%)	75 (91.5%)	99 (94.3%)	86 (91.5%)	97 (96.0%)	116 (93.5%)	104 (97.2%)	102 (96.2%)	1,185 (91.8%)	
Simple coil	23 (65.7%)	30 (83.3%)	29 (69.0%)	40 (66.7%)	41 (56.9%)	55 (63.2%)	43 (54.4%)	56 (71.8%)	44 (53.0%)	48 (58.5%)	68 (64.8%)	57 (60.6%)	59 (58.4%)	69 (55.6%)	64 (59.8%)	64 (60.4%)	790 (61.2%)	
Stent-assisted coil	0 (0.0%)	0 (0.0%)	6 (14.3%)	15 (25.0%)	23 (31.9%)	24 (27.6%)	30 (38.0%)	16 (20.5%)	31 (37.3%)	27 (32.9%)	31 (29.5%)	29 (30.9%)	38 (37.6%)	47 (37.9%)	40 (37.4%)	38 (35.8%)	395 (30.6%)	
Mortality (3 months)	5 (14.3%)	6 (16.7%)	7 (16.7%)	16 (26.7%)	13 (18.1%)	29 (33.3%)	28 (35.4%)	22 (28.2%)	21 (25.3%)	30 (36.6%)	26 (24.8%)	24 (25.5%)	25 (24.8%)	36 (29.0%)	25 (23.4%)	16 (15.1%)	329 (25.5%)	0.026
Poor prognosis	10 (28.6%)	7 (19.4%)	13 (31.0%)	21 (35.0%)	18 (25.0%)	38 (43.7%)	38 (48.1%)	31 (39.7%)	31 (37.3%)	35 (42.7%)	37 (35.2%)	30 (31.9%)	35 (34.7%)	47 (37.9%)	39 (36.4%)	25 (23.6%)	455 (35.2%)	0.031