

Supplemental Table 1. Baseline demographic and aneurysmal characteristics in patients with basilar artery trunk aneurysms.

Variables	
Age (year, mean \pm SD)	58 \pm 11
Female, n (%)	30(27.0)
Comorbidities, n (%)	
Smoking	47(42.3)
Diabetes	10(9.0)
Hypertension	81(73.0)
Hyperlipidemia	33(29.7)
Clinical presentation, n (%)	
Subarachnoid hemorrhage	26(23.4)
Ischemic stroke	32(28.8)
Dizzy/headache	31(27.9)
Incidental finding	22(19.8)
Aneurysm characteristics, n (%)	
Saccular	69(62.2)
Fusiform	31(27.9)
Pearl-and-string	11(9.9)
Circumferential aneurysm	39(35.1)
Anterior inferior cerebellar artery involvement	19(17.1)
Basilar artery stenosis	16(14.4)
Large aneurysm (> 10 mm)	43(38.7)
Aneurysm length (mm, mean \pm SD)	9.25 \pm 6.61
Aneurysm size (mm, mean \pm SD)	10.22 \pm 6.53
Treatment method, n (%)	
Coiling without stent	2(1.8)
Single stent	56(50.5)
Multiple stents	39(35.1)
Flow diverter	14(12.6)
Balloon angioplasty	13(11.7)
Immediate angiographic outcome, n (%)	
Complete obliteration	58(52.3)
Neck remnants	15(13.5)
Aneurysm sac remnants	38(34.2)
Complication during hospitalization, n (%)	
Ischemic complications	29(26.1)
Procedure-related	28(25.2)
Delayed cerebral infarction	1(0.9)
Hemorrhage complications	4(3.6)
Intraoperative aneurysm rebleeding	1(0.9)
Brainstem hemorrhage	2(1.8)
Postoperative aneurysm rebleeding	1(0.9)

Intraoperative stent thrombosis	1(0.9)
Symptomatic hydrocephalus	5(4.5)
Follow-up clinical outcome, n (%)	
Favorable (mRS score, 0-II)	92(83.8)
Unfavorable (mRS score, III-VI)	19(17.1)
Follow-up angiographic outcome (n=77), n (%)	
Complete obliteration	57(74.0)
Neck remnant	11(14.3)
Aneurysm sac remnant	9(11.7)

Supplemental Table 2. Risk factors for ischemic and hemorrhagic complications during endovascular treatment in patients with basilar artery trunk aneurysms.

	Ischemic and hemorrhagic complications		Univariate analysis	Multivariate analysis		
	No (n=81)	Yes (n=30)	p-value	Odds ratio	95% CI	p-value
Age (y)	57±11	60±12	0.349			
Female	21(18.9)	9(8.1)	0.668			
Smoking	38(34.2)	9(8.1)	0.109			
Diabetes	6(5.4)	4(3.6)	0.455			
Hypertension	59(53.2)	22(19.8)	0.959			
Hyperlipidemia	21(18.9)	12(10.8)	0.150			
Ischemic stroke	19(17.1)	13(11.7)	0.040			
Incidental finding	20(18.0)	2(1.8)	0.035	4.35	0.94-20.19	0.060
Ruptured aneurysm	20(18.0)	6(5.4)	0.604			
HH grade (IV-V)	3(2.7)	2(1.8)	0.611			
modified Fisher scale score (III-IV)	14(12.6)	6(5.4)	0.741			
Sac aneurysm	52(46.8)	17(15.3)	0.468			
Circumferential aneurysm	25(22.5)	14(12.6)	0.121			
Coexisting BA stenosis	11(9.9)	5(4.5)	0.681			
AICA involvement	11(9.9)	8(7.2)	0.104			
Use of multiple stents	28(25.2)	11(9.9)	0.837			
Flow diversion	11(9.9)	3(2.7)	0.755			
Incomplete aneurysm obliteration	37(33.3)	16(14.4)	0.473			
Aneurysm size (mm)	9.2±5.3	13.0±8.6	0.026	1.09	1.02-1.16	0.011
Aneurysm length (mm)	8.3±5.4	11.8±9.1	0.057			

HH, Hunt and Hess; BA, basilar artery; AICA, anterior inferior cerebellar artery

Variables are expressed as mean ± SD or number of patients (%).