

**Supplemental Table 3** Treatment and outcome according to onset

	SAH	VHM	Tinnitus	CNP	Total
No. of patients	103(52.0)	90(45.5)	3(1.5)	2(1.0)	198
No. of lesions	113(54.3)	90(43.3)	3(1.4)	2(1.0)	208
<b>Treatment</b>					
Conservative	3(2.9)	1(1.1)	1(33.3)	0(0.0)	5(2.5)
Surgery	76(73.8)	73(81.1)	0(0.0)	2(100.0)	151(76.3)
Embolization	6(5.8)	7(7.8)	2(66.7)	0(0.0)	15(7.6)
Embolization+Surgery	18(17.5)	9(10.0)	0(0.0)	0(0.0)	27(13.6)
<b>Complications</b>					
Intracranial infection	13(12.6)	4(4.4)	0(0.0)	0(0.0)	17(8.6)
Pulmonary infection	1(1.0)	2(2.2)	0(0.0)	0(0.0)	3(1.5)
CSF leak	0(0.0)	4(4.4)	0(0.0)	0(0.0)	4(2.0)
VA occlusion	0(0.0)	2(2.2)	0(0.0)	0(0.0)	2(1.0)
Abortion	1(1.0)	0(0.0)	0(0.0)	0(0.0)	1(0.5)
Hydrocephalus	1(1.0)	0(0.0)	0(0.0)	0(0.0)	1(0.5)
Spinal infarction	1(1.0)	0(0.0)	0(0.0)	0(0.0)	1(0.5)
Cerebral infarction	1(1.0)	0(0.0)	0(0.0)	0(0.0)	1(0.5)
Myocardial infarction	1(1.0)	0(0.0)	0(0.0)	0(0.0)	1(0.5)
Transient medulla oblongata edema	0(0.0)	1(1.1)	0(0.0)	0(0.0)	1(0.5)
CNP	1(1.0)	0(0.0)	0(0.0)	0(0.0)	1(0.5)
DVT of lower limb	0(0.0)	1(1.1)	0(0.0)	0(0.0)	1(0.5)
<b>Recurrence</b>					
	3(2.9)	5(4.4)	0(0.0)	0(0.0)	8(4.0)
<b>Post-treatment mRS*</b>					
0	49(47.6)	14(15.6)	1(33.3)	1(50.0)	65(32.8)
1	46(44.7)	30(33.3)	2(66.7)	1(50.0)	79(39.9)
2	1(1.0)	10(11.1)	0(0.0)	0(0.0)	11(5.6)
3	1(1.0)	12(13.3)	0(0.0)	0(0.0)	13(6.6)
4	3(2.9)	11(12.2)	0(0.0)	0(0.0)	14(7.1)
5	0(0.0)	5(5.6)	0(0.0)	0(0.0)	5(2.5)
6	3(2.9)	8(8.9)	0(0.0)	0(0.0)	11(5.6)

CSF: cerebrospinal fluid; CNP: cranial nerve paralysis; DVT: deep vein thrombosis;

FM: foramen magnum; C: cervical.

Values are shown as the number (%) of patients or lesions unless indicated otherwise.

\* Post-treatment mRS was evaluated according to the last follow-up.