

Interventional Neuroradiology

The Woven EndoBridge (WEB) as Primary Treatment for Unruptured Intracranial Aneurysms

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patient #	age	Gender	Location	Indication	Wide neck	Size wxwxh	Max. size	WEB size *	WEB shape	Coils	Complications	Angio FU months	Result	mRS	Additional treatment	MRA FU months
1	66	M	Anterior communicating artery	incidental	yes	6x5x5	6	w2-6-3	sl	x	x	4	Complete occlusion	0	x	24
2	62	F	Basilar tip	incidental	yes	7x8x10	10	w2-9-5	sl	x	x	3	Neck remnant	0	x	18
3	56	F	Basilar tip	incidental	yes	6x7x20	20	w2-8-6	sl	yes	x	3	Neck remnant	0	x	9
3	48	F	Basilar tip	incidental	yes	7x5x5	7	w2-7-3	sl	x	x	3	Complete occlusion	0	x	12
5	51	F	Basilar tip	incidental	yes	5x7x5	7	w4-7-3	sl	x	x	4	Complete occlusion	0	x	24
6	62	F	Middle cerebral artery	incidental	yes	6x7x6	7	w2-8-4	sl	x	x	3	Complete occlusion	0	x	6
7	73	F	Vertebral artery	incidental	yes	9x10x9	10	w2-11-7	sl	x	x	4	Aneurysm remnant	0	no	12
8	41	M	Basilar tip	incidental	yes	3x4x4	4	w4-4-3	sl	x	x	3	Complete occlusion	0	x	6
9	55	F	Anterior communicating artery	incidental	no	5x11x7	11	w4-7-4	sl	x	x	3	Aneurysm remnant	0	coiling	18
10	66	M	Middle cerebral artery	incidental	yes	6x6x7	7	w4-7-5	sl	x	x	3	Neck remnant	0	x	24
11	59	F	Posterior communicating artery	incidental	yes	6x6x5	6	w4-7-3	sl	x	x	3	Complete occlusion	0	x	clipartefacts
12	60	F	Anterior communicating artery	incidental	yes	5x5x5	5	w4-6-3	sl	x	x	3	Complete occlusion	0	x	24
60	F	Pericallosal artery	incidental	yes	4x5x5	5	w4-5-3	sl	x	x	3	Complete occlusion	0	x	24	
13	57	F	Basilar tip	incidental	yes	8x10x15	15	w4-5-4	sl	yes	x	3	Complete occlusion	0	x	6
14	61	F	Posterior communicating artery	incidental	yes	16x18x22	22	w2-11-9	sl	yes	x	3	Neck remnant	0	x	6
15	30	M	Middle cerebral artery	incidental	yes	7x8x6	8	w2-9-4	sl	x	x	4	Complete occlusion	0	x	12
16	64	F	Carotid tip	incidental	no	4x5x6	6	w4-6-s	sls	x	x	3	Complete occlusion	0	x	24
17	63	M	Anterior communicating Artery	incidental	yes	4x5x6	6	w4-6-3	sl	x	x	3	Complete occlusion	0	x	18
18	65	F	Carotid tip	incidental	no	5x5x8	8	w4-6-4	sl	x	x	3	Aneurysm remnant	0	coiling	18
19	54	F	Cavernous internal carotid artery	additional at SAH	no	3x3x4	4	w4-4-s	sls	x	x	5	Complete occlusion	2	x	18
20	76	M	Superior cerebellar artery	additional at SAH	no	3x3x5	5	w4-4-s	sls	x	x	3	Complete occlusion	2	x	18
21	62	M	Carotid tip	incidental	no	10x10x16	16	w2-11-s	sls	x	x	3	Complete occlusion	0	x	18
22	64	F	Middle cerebral artery	incidental	no	3x4x6	6	w4-5-s	sls	x	x	3	Complete occlusion	0	x	18
23	72	F	Carotid tip	incidental	yes	4x5x5	5	w4-6-3	sl	x	x	3	Complete occlusion	0	x	18
24	60	M	Anterior communicating artery	incidental	yes	5x5x5	5	w4-7-3	sl	x	x	3	Complete occlusion	0	x	9
25	69	M	Anterior communicating artery	incidental	yes	9x5x5	9	w2-8-3	sl	x	x	3	Complete occlusion	0	x	18
26	46	M	Middle cerebral artery	incidental	no	3x3x4	4	w5-4-s	sls	x	x	3	Complete occlusion	0	x	6
Pericallosal artery	incidental	no	3x3x6	6	w4-4-5	sls	x	x	3	Complete occlusion	0	x	12			
27	48	F	Internal carotid artery	incidental	yes	6x7x7	7	w2-9-s	sls	x	x	3	Complete occlusion	0	x	6
28	60	F	Anterior communicating artery	incidental	yes	5x8x5	8	w4-7-3	sl	x	x	3	Complete occlusion	0	x	18
29	55	M	Basilar tip	incidental	yes	7x8x6	8	w2-9-4	sl	x	x	3	Neck remnant	0	x	6
30	55	F	Posterior communicating artery	incidental	yes	4x3x7	7	w4-5-s	sls	x	x	3	Complete occlusion	0	x	9
31	70	F	Basilar tip	incidental	yes	9x9x11	11	w2-11-5	sl	x	occlusion PCA	no	Complete occlusion	4	x	no
32	73	M	Middle cerebral artery	incidental	yes	7x8x6	8	w2-9-4	sl	x	x	3	Neck remnant	0	x	6
33	46	F	Posterior communicating artery	symptomatic	yes	6x6x6	6	w4-7-s	sls	x	x	3	Complete occlusion	0	x	9
34	74	F	Posterior communicating artery	incidental	yes	5x6x9	9	w2-8-s	sls	x	x	3	Complete occlusion	0	x	12
35	70	F	Middle cerebral artery	incidental	yes	3x4x6	6	w4-5-s	sls	x	x	3	Neck remnant	0	x	no
Ophthalmic carotid artery	incidental	yes	3x3x5	5	w4-4-s	sls	x	x	3	Complete occlusion	0	x	no			
36	54	F	Middle cerebral artery	incidental	no	3x3x5	5	w4-4-s	sls	x	x	3	Complete occlusion	0	x	6
37	64	F	Anterior communicating artery	incidental	yes	10x8x13	13	w4-7-s	sls	yes	x	no	Neck remnant	0	x	3
38	65	F	Middle cerebral artery	incidental	yes	5x6x7	7	w5-7-3	sl	x	x	3	Complete occlusion	0	x	9
Pericallosal artery	incidental	no	2x2x3	3	w5-3-2	sl	x	x	3	Complete occlusion	0	x	9			
Pericallosal artery	incidental	no	2x2x3	3	w5-3-2	sl	x	x	3	Complete occlusion	0	x	9			
Middle cerebral artery	incidental	yes	2x2x3	3	w5-3-2	sl	x	x	3	Complete occlusion	0	x	9			
39	61	M	Anterior communicating artery	incidental	yes	4x5x5	5	w4-6-3	sl	x	x	3	Complete occlusion	0	x	6
40	65	F	Middle cerebral artery	incidental	no	3x4x4	4	w5-4.5-3	sl	x	x	3	Neck remnant	0	x	6
41	70	F	Middle cerebral artery	incidental	yes	6x6x6	6	w5-7-4	sl	x	x	3	Neck remnant	0	x	6
42	49	F	Middle cerebral artery	additional at SAH	yes	3x2x4	4	w5-4-s	sls	x	x	no	Complete occlusion	6	x	no
43	51	F	Posterior inferior cerebellar artery	incidental	yes	3x4x4	4	w4-5-3	sl	x	x	3	Neck remnant	0	x	6
44	63	M	Anterior communicating artery	incidental	yes	5x5x4	5	w4-6-3	sl	x	x	3	Complete occlusion	0	x	6
45	62	M	Middle cerebral artery	incidental	yes	6x5x8	8	w4-7-4	sl	x	x	3	Complete occlusion	0	x	6
46	53	F	Middle cerebral artery	incidental	yes	3x3x4	4	w5-4-2	sl	x	x	3	Complete occlusion	0	x	6
47	57	F	Middle cerebral artery	additional at SAH	yes	3x2x3	3	w5-4-2	sl	x	x	3	Complete occlusion	1	x	6
Posterior communicating artery	additional at SAH	yes	3x3x4	4	w5-4.5-2	sl	x	x	3	Neck remnant	1	x	6			
48	54	F	Pericallosal artery	incidental	no	2x3x4	4	w5-4-s	sl	x	x	3	Complete occlusion	0	x	6
Middle cerebral artery	incidental	yes	3x3x4	4	w5-4-s	sl	x	x	3	Complete occlusion	0	x	6			
49	51	F	Posterior communicating artery	symptomatic	yes	7x7x10	10	w4-10-s	sls	x	x	3	Aneurysm remnant	0	2nd WEB	no
50	65	F	Carotid tip	incidental	yes	4x4x6	6	w5-6-s	sls	x	x	3	Complete occlusion	0	x	no
51	61	F	Superior cerebellar artery	additional at SAH	yes	4x3x4	4	w5-5-3	sl	x	x	no	Complete occlusion	2	x	6

Tabel 1

Characteristics of 51 patients with 59 unruptured aneurysms treated with the WEB.

* The first number indicates WEB generation; 2 for Single Layer, 4 for 21 system and 5 for 17 system.
 Second 2 numbers indicate size in mm in SL shape. Second number followed by "s" indicates size in mm and SLS shape.

PCA = Posterior Cerebral Artery