

On-line Table 1: Literature search

Step	Search	Results		
		PubMed	Cochrane	EMBASE
1	Subarachnoid Hemorrhage[MeSH]	14,698	811	24,338
2	((Subarachnoid[tiab] OR Subarachnoidal[tiab]) AND (Hemorrhage[tiab] OR Hemorrhage[tiab] OR Hemorrhages[tiab] OR Hemorrhages[tiab] OR Hematoma[tiab] OR Bleeding[tiab] OR Blood[tiab])) OR SAH[tiab] OR SAHs[tiab]	18,856	1026	22,994
3	No. 1 OR No. 2	22,949	1026	30,916
4	Intracranial Aneurysm[MeSH]	19,390	441	22,471
5	((Aneurysm[tiab] OR Aneurysms[tiab]) AND (Brain[tiab] OR Cerebral[tiab] OR Intracranial[tiab] OR Intra-cranial[tiab] OR Basilar Artery[tiab] OR Anterior Communicating Artery[tiab] OR Middle Cerebral Artery[tiab] OR Posterior Cerebral Artery[tiab] OR Anterior Cerebral Artery[tiab] OR Posterior Communicating Artery[tiab]))	18,364	555	22,051
6	No. 4 OR No. 5	25,687	555	30,331
7	No. 3 OR No. 6	40,494	1307	50,984
8	Magnetic Resonance Angiography[MeSH]	14,084	487	18,939
9	((Angiography[tiab] OR Angiographies[tiab]) AND (MRI[tiab] OR Magnetic Resonance[tiab] OR MR[tiab])) OR ((Angiogram[tiab] OR Angiograms[tiab]) AND (MR[tiab] OR MRI[tiab])) OR Perfusion Magnetic Resonance Imaging[tiab] OR Perfusion Weighted MRI[tiab] OR MRA[tiab] OR MRAs[tiab] OR MR angiographic[tiab] OR MRI angiographic[tiab]	18,497	681	23,394
10	No. 8 OR No. 9	25,439	681	32,287
11	Angiography, Digital Subtraction[MeSH]	6783	357	11,616
12	((Angiography[tiab] OR Angiographies[tiab] OR Angiographic[tiab]) AND (Digital Subtraction[tiab] OR Digital[tiab] OR Catheter[tiab])) OR DSA[tiab] OR DSAs[tiab] OR IDSA[tiab] OR Catheter-angiography[tiab]	14,362	632	13,488
13	No. 11 OR No. 12	18,002	703	18,709
14	No. 7 AND No. 10 AND No. 13	561	13	744
15	Limits: English	424	12	580

On-line Table 2: Study characteristics of the included articles

Reference No.	Author(s)	Year	Prospective?	Consecutive?	No. of Patients	Mean Age, Years	Evaluated Aneurysms	Type MRA	Field Strength	DSA	Interpreters
26	Gonner et al	1998	Not stated	Not stated	14	50	18	TOF	1.5T	2D	2 Interpreters
27	Brunereau et al	1999	Yes	Not stated	26	52	27	TOF	1T	2D	2 Interpreters
28	Kahara et al	1999	Yes	Yes	20	49	21	TOF	Not stated	2D	2 Interpreters
29	Anzalone et al	2000	Not stated	Not stated	49	53	64	TOF, CE	1.5T	2D	1 Interpreter
32	Leclerc et al	2002	Yes	Yes	20	49	20	TOF, CE	1.5T	2D	Not stated
33	Nome et al	2002	Not stated	Not stated	51	Not stated	79	TOF	1T	2D	3 Interpreters
36	Cottier et al	2003	Yes	Not stated	58	52	71	TOF, CE	1.5T	2D	2 Interpreters
38	Okahara et al	2004	Yes	Not stated	33	63	33	TOF	1.5T	3D	2 Interpreters
39	Yamada et al	2004	Not stated	Not stated	39	59	51	TOF	1.5T	3D	1 Interpreter
40	Farb et al	2005	Not stated	Not stated	28	47	36	TOF, CE	1.5T	2D	3 Interpreters
42	Majoie et al	2005	Yes	Yes	20	49	21	TOF, CE	3T	2D	Not stated
43	Westerlaan et al	2005	Not stated	Not stated	31	52	31	TOF	1.5T	2D	1 Interpreter
48	Deuschmann et al	2007	Not stated	Yes	127	49.6	188	TOF	1.5T	2D	3 Interpreters
55	Dupre et al	2008	Yes	Not stated	15	47.7	17	TOF	1.5T	2D	2 Interpreters
56	Gauvrit et al	2008	Not stated	Yes	170	46	92	CE	1.5T	3D	3 Interpreters
59	Lubicz et al	2008	No	Not stated	55	46	67	CE	1.5T	3D	2 Interpreters
60	Ramgren et al	2008	Yes	Yes	37	51	41	TOF, CE	1.5T, 3T	2D	3 Interpreters
61	Urbach et al	2008	Yes	Yes	50	47	50	TOF	3T	2D	3 Interpreters
62	Wikström et al	2008	Yes	No	38	Not stated	47	TOF, CE	1.5T	2D	4 Interpreters
64	Ferré et al	2009	Yes	Yes	51	51	50	TOF	3T	2D	2 Interpreters
66	Kau et al	2009	No	Yes	32	52.2	37	TOF, CE	1.5T	3D	3 Interpreters
68	Sprengers et al	2009	Yes	Not stated	67	49	69	TOF, CE	3T	2D	2 Interpreters
69	Bakker et al	2010	Yes	Yes	190	54	141	TOF	1.5T	3D	MDP
70	Kaufmann et al	2010	Yes	Not stated	58	59.3	63	TOF, CE	1.5T, 3T	3D	2 Interpreters
74	Nakiri et al	2011	Yes	Yes	30	54.5	43	TOF, CE	3T	3D	2 Interpreters
75	Lavoie et al	2012	Yes	Yes	157	53	167	TOF, CE	1.5T	2D	3 Interpreters

Note:—MDP indicates multidisciplinary panel.

On-line Table 3: GRADE analysis

Reference No.	Comparison With DSA?	Limitations	Inconsistency	Indirectness	Imprecision	Publication Bias	Quality
26	Yes	+	—	—	—	—	3/4
27	Yes	—	—	—	—	—	4/4
28	Yes	—	—	+	—	—	3/4
29	Yes	+	—	—	—	—	3/4
32	Yes	+	—	+	—	—	2/4
33	Yes	+	—	—	—	—	3/4
36	Yes	+	—	—	—	—	3/4
38	Yes	+	—	—	—	—	3/4
39	Yes	+	—	—	—	—	3/4
40	Yes	+	—	—	—	—	3/4
42	Yes	—	—	—	—	—	4/4
43	Yes	+	—	—	—	—	3/4
48	Yes	—	—	—	—	—	4/4
55	Yes	+	—	—	—	—	3/4
56	Yes	—	—	—	—	—	4/4
59	Yes	+	—	—	—	—	3/4
60	Yes	+	—	—	—	—	3/4
61	Yes	—	—	—	—	—	4/4
62	Yes	+	—	—	—	—	3/4
64	Yes	—	—	—	—	—	4/4
66	Yes	—	—	—	—	—	4/4
68	Yes	+	—	—	—	—	3/4
69	Yes	—	—	—	—	—	4/4
70	Yes	+	—	—	—	—	3/4
74	Yes	—	—	—	—	—	4/4
75	Yes	—	—	—	—	—	4/4