

ON-LINE APPENDIX

OVID

Data base(s): EMBASE 1988 to 2018 Week 33, EBM Reviews - Cochrane Central Register of Controlled Trials July 2018, EBM Reviews - Cochrane Data base of Systematic Reviews 2005 to August 15, 2018, Ovid MEDLINE and Epub Ahead of Print, In-Process & Other Non-Indexed Citations and Daily 1946 to August 15, 2018.

Scopus

1 TITLE-ABS-KEY((unruptured W/3 (brain or cerebral or intracranial or "intracranial") W/3 (aneurism* or aneurysm* or microaneurism* or microaneurysm*)))

2 TITLE-ABS-KEY(clip OR clipped OR clipping OR clips OR coil OR coiled OR coiling OR coils OR endovascular*)

3 TITLE-ABS-KEY(longterm OR "long-term" OR ruptur*)

4 PUBYEAR AFT 1994 AND LANGUAGE(english)

5 1 and 2 and 3 and 4

6 TITLE-ABS-KEY((alpaca OR alpacas OR amphibian OR amphibians OR animal OR animals OR antelope OR armadillo OR armadillos OR avian OR baboon OR baboons OR beagle OR beagles OR bee OR bees OR bird OR birds OR bison OR bovine OR buffalo OR buffaloes OR buffalos OR "c elegans" OR "Caenorhabditis elegans" OR camel OR camels OR canine OR canines OR carp OR cats OR cattle OR chick OR chicken OR chickens OR chicks OR chimp OR chimpanze OR chimpanzees OR chimps OR cow OR cows OR "D melanogaster" OR "dairy calf" OR "dairy calves" OR deer OR dog OR dogs OR donkey OR donkeys OR drosophila OR "Drosophila melanogaster" OR duck OR duckling OR ducklings OR ducks OR equid OR equids OR

equine OR equines OR feline OR felines OR ferret OR ferrets OR finch OR finches OR fish OR flatworm OR flatworms OR fox OR foxes OR frog OR frogs OR "fruit flies" OR "fruit fly" OR "G mellonella" OR "Galleria mellonella" OR geese OR gerbil OR gerbils OR goat OR goats OR goose OR gorilla OR gorillas OR hamster OR hamsters OR hare OR hares OR heifer OR heifers OR horse OR horses OR insect OR insects OR jellyfish OR kangaroo OR kangaroos OR kitten OR kittens OR lagomorph OR lagomorphs OR lamb OR lambs OR llama OR llamas OR macaque OR macaques OR macaw OR macaws OR marmoset OR marmosets OR mice OR minipig OR minipigs OR mink OR minks OR monkey OR monkeys OR mouse OR mule OR mules OR nematode OR nematodes OR octopus OR octopuses OR orangutan OR "orang-utan" OR orangutans OR "orang-utans" OR oxen OR parrot OR parrots OR pig OR pigeon OR pigeons OR piglet OR piglets OR pigs OR porcine OR primate OR primates OR quail OR rabbit OR rabbits OR rat OR rats OR reptile OR reptiles OR rodent OR rodents OR ruminant OR ruminants OR salmon OR sheep OR shrimp OR slug OR slugs OR swine OR tamarin OR tamarins OR toad OR toads OR trout OR urchin OR urchins OR vole OR voles OR waxworm OR waxworms OR worm OR worms OR xenopus OR "zebra fish" OR zebrafish) AND NOT (human OR humans or patient or patients))

7 5 and not 6

8 DOCTYPE(le) OR DOCTYPE(ab) OR DOCTYPE(ed) OR DOCTYPE(bk) OR DOCTYPE(er) OR DOCTYPE(no) OR DOCTYPE(sh)

9 7 and not 8

10 INDEX(embase) OR INDEX(medline) OR PMID(0* OR 1* OR 2* OR 3* OR 4* OR 5* OR 6* OR 7* OR 8* OR 9*)

11 9 and not 10

Search Strategy:

	#Searches	#Results
1	(unruptured adj3 (brain or cerebral or intracranial or "intracranial") adj3 (aneurism* or aneurysm* or microaneurism* or microaneurysm*)):ti,ab,kw.	3544
2	exp Endovascular Procedures/	142,948
3	endovascular*:ti,ab,hw,kw.	22
4	(clip or clips or clipping or clipped):ti,ab,hw,kw.	63,150
5	(coil or coils or coiled or coiling):ti,ab,hw,kw.	120,848
6	2 or 3*r 4*r 5	316,154
7	1 and 6	1750
8	(longterm or "long-term" or ruptur*):ti,ab,hw,kw.	1,985,211
9	7 and 8	924
10	limit nine to english language [Limit not valid in CDSR; records were retained]	864
11	limit 10 to yr="1995 -Current"	853
12	(exp animals/or exp nonhuman/) not exp humans/	8,995,085
13	((alpaca or alpacas or amphibian or amphibians or animal or animals or antelope or armadillo or armadillos or avian or baboon or baboons or beagle or beagles or bee or bees or bird or birds or bison or bovine or buffalo or buffaloes or buffalos or "c elegans" or "Caenorhabditis elegans" or camel or camels or canine or canines or carp or cats or cattle or chick or chicken or chickens or chicks or chimp or chimpanze or chimpanzees or chimps or cow or cows or "D melanogaster" or "dairy calf" or "dairy calves" or deer or dog or dogs or donkey or donkeys or drosophila or "Drosophila melanogaster" or duck or duckling or ducklings or ducks or equid or equids or equine or equines or feline or felines or ferret or ferrets or finch or finches or fish or flatworm or flatworms or fox or foxes or frog or frogs or "fruit flies" or "fruit fly" or "G mellonella" or "Galleria mellonella" or geese or gerbil or gerbils or goat or goats or goose or gorilla or gorillas or hamster or hamsters or hare or hares or heifer or heifers or horse or horses or insect or insects or jellyfish or kangaroo or kangaroos or kitten or kittens or lagomorph or lagomorphs or lamb or lambs or llama or llamas or macaque or macaques or macaw or macaws or marmoset or marmosets or mice or minipig or minipigs or mink or minks or monkey or monkeys or mouse or mule or mules or nematode or nematodes or octopus or octopuses or orangutan or "orang-utan" or orangutans or "orang-utans" or oxen or parrot or parrots or pig or pigeon or pigeons or piglet or piglets or pigs or porcine or primate or primates or quail or rabbit or rabbits or rat or rats or reptile or reptiles or rodent or rodents or ruminant or ruminants or salmon or sheep or shrimp or slug or slugs or swine or tamarin or tamarins or toad or toads or trout or urchin or urchins or vole or voles or waxworm or waxworms or worm or worms or xenopus or "zebra fish" or zebrafish) not (human or humans or patient or patients)):ti,ab,hw,kw.	7,750,326
14	11 not (12*r 13)	850
15	limit 14 to (letter or conference abstract or conference or congresses or consensus development conference or consensus development conference, nih or editorial or erratum or note or addresses or autobiography or bibliography or biography or blogs or comment or dictionary or directory or interactive tutorial or interview or lectures or legal cases or legislation or news or newspaper article or overall or patient education handout or periodical index or portraits or published erratum or video-audio media or webcasts) [Limit not valid in Embase,CCTR,CDSR,Ovid MEDLINE(R),Ovid MEDLINE(R) Daily Update,Ovid MEDLINE(R) In-Process,Ovid MEDLINE(R) Publisher; records were retained]	141
16	14 not 15	709
17	remove duplicates from 16	440

On-line Table 1: Follow-up study characteristics

Author, Year	Number of Follow-Up Patients Treated with Endovascular Therapy	Number of Events (Long-Term Aneurysm Rupture Posttreatment)	Follow-Up Duration for Aneurysm Rupture (years)	Location of Long-Term Aneurysm Rupture Posttreatment	Number of Patients with Retreatment
Kaku et al, 1999 ¹⁵	28	1	2.1	Anterior (n = 1)	5
Johnston et al, 2000 ¹⁶	41	3	3.8	Not explicitly reported (n = 3)	0 ^a
Roy et al, 2001 ¹⁷	116	0	2.7	—	5
Wanke et al, 2002 ¹⁸	39	0	1.6	—	0 ^a
Ross et al, 2005 ¹⁹	38	0	2.1	—	6
Terada et al, 2005 ²⁰	76	1	3.2	Posterior (n = 1)	0 ^a
Park et al, 2008 ²¹	52	0	1.1	—	3
Standhardt et al, 2008 ²²	173	0	3.7	—	21
Im et al, 2009 ¹²	370	1	1.8	Anterior (n = 1)	5
Bandeira et al, 2010 ²³	101	0	2.7	—	7
White et al, 2011 ¹³	216	0	1.5	—	16
Jang et al, 2011 ²⁴	25	0	1	—	0 ^a
Maldonado et al, 2011 ²⁵	66	0	2.1	—	0 ^a
Oishi et al, 2012 ²⁶	427	0	2.9	—	14
Fields et al, 2013 ²⁷	19	0	1	—	1
Pyysalo et al, 2013 ²⁸	56	3	13	Anterior (n = 2) Not explicitly reported (n = 1)	0 ^a
Mine et al, 2014 ²⁹	164	1	2.2	Not explicitly reported (n = 1)	7
Kwon et al, 2014 ¹⁰	2035	0	2	—	68
Poncyliusz et al, 2015 ³⁰	96	0	1	—	8
Starke et al, 2015 ³¹	166	0	2.3	—	26
Zhu et al, 2015 ¹¹	13	0	2.3	—	0
Petr et al, 2016 ³²	188	1	1.7	Anterior (n = 1)	29
Koyanagi et al, 2018 ¹⁴	184	1	15.5	Posterior (n = 1)	9
Sedat et al, 2018 ³³	153	0	3.4	—	6

^a Not explicitly reported.