

Supplementary Table 1: Search strategy in Medline

Database

Medline databases via Ovid from Wolters Kluwer

Search dates and update status:

Initial search 26th September 2017:

Medline 1946 to September Week 2 2017,

**Medline Daily Update, Medline In-Process & Other Non-Indexed Citations und Epub
Ahead of Print September 25, 2017**

Update search 9th August 2019:

Medline from January 2017 to July Week 5 2019,

**Medline Daily Update and Medline In-Process & Other Non-Indexed Citations from
January 2017 to August 07, 2019,**

Medline Epub Ahead of Print from January 2017 to August 08, 2019;

Initial search MEDLINE databases (see below for following updates):

Ovid MEDLINE(R) 1946 to September Week 2 2017,

Ovid MEDLINE(R) Daily Update September 25, 2017

Search date: 2017-09-26

#	Searches	Results	Annotations
1	haplorhini/	48391	Large animals (MeSH and textwords)
2	catarrhini/	83	
3	exp cercopithecidae/	119894	
4	hominidae/	7927	
5	gorilla gorilla/	1906	
6	pan paniscus/	491	
7	pan troglodytes/	9285	
8	exp pongo/	1271	
9	exp hylobatidae/	950	
10	exp platyrrhini/	13801	
11	exp tarsii/	68	
12	exp swine/	207411	
13	exp sheep/	116166	
14	cats/	139800	
15	dogs/	326614	
16	rabbits/	345535	
17	exp goats/	29988	
18	horses/	66412	
19	cattle/	337435	
20	ferrets/	5659	
21	guinea pigs/	145937	
22	(large animal* or large mammal* or baboon* or beagle* or bovine*	1394606	

	<p>or cat or cats or kitten*</p> <p>or canine* or cattle* or</p> <p>cavy or cavia or cow or</p> <p>cows or cynomolgus or</p> <p>dog or dogs or equine*</p> <p>or feline* or goat* or</p> <p>gyrencephalic or hare</p> <p>or horse* or macaca*</p> <p>or macaque* or</p> <p>marmoset* or</p> <p>monkey* or papio* or</p> <p>primate* or NHP or</p> <p>ovine* or pig or pigs or</p> <p>piglet* or porcine* or</p> <p>rabbit* or sheep* or</p> <p>swine*).ti,ab,kf.</p>		
23	<p>(Alouattinae or</p> <p>Alouatta? or Aotidae</p> <p>or Aotinae or Aotus or</p> <p>Atelidae or Atelinae or</p> <p>Barbary Ape? or Black</p> <p>Ape? or Bonobo? or</p> <p>Cacajao? or calliceb*</p> <p>or Callimico* or</p> <p>Callithrix or</p>	24297	

	<p>Callitrichinae or</p> <p>Catarrhina? or</p> <p>Cebidae or Cebinae or</p> <p>Cebus or Cebuella? or</p> <p>Celebes* ape? or</p> <p>Cercocebus or</p> <p>Cercopithec* or</p> <p>Chimpanzee? or</p> <p>Chiropote? or</p> <p>Colobinae or Colobus</p> <p>or Douroucouli or</p> <p>Erythrocebus or</p> <p>Gelada? or Gibbon? or</p> <p>Hamadrya? or</p> <p>Hapale? or Hylobat?</p> <p>or Langur? or</p> <p>Leontideus or</p> <p>Leontopithecus or</p> <p>Lophocebus or</p> <p>Mangabey? or</p> <p>Mandrillus or</p> <p>Miopithecus Talapoin?</p> <p>or Pan Paniscus or Pan</p> <p>Troglodytes or</p> <p>Pongidae or Pongo? or</p>		
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	Presbyti? or Pygathri* or Platyrrhin* or Tamarin? or Saguinus or Saimir* or Siamang? or Pitheciidae or Pitheciin* or Pithecin* or Pithecia? or Tarsier? or Tarsii* or Tarsius or Theropithec*).ti,ab,kf.		
24	or/1-23	1942394	
25	(eng or ger).la.	21636641	Language English or German
26	24 and 25	1749704	Large animals AND (English OR German)
27	Cerebrovascular Disorders/	46533	Disease Ischemic Stroke: MeSH, textwords
28	exp Brain Ischemia/	99036	
29	exp Carotid Artery Diseases/	45118	
30	Infarction, Anterior Cerebral Artery/	231	
31	Infarction, Middle	7408	

	Cerebral Artery/		
32	Infarction, Posterior Cerebral Artery/	259	
33	Moyamoya Disease/	2823	
34	Intracranial Arteriosclerosis/	5977	
35	exp "Intracranial Embolism and Thrombosis"/	20787	
36	exp Stroke/	113866	
37	Vasospasm, Intracranial/	2868	
38	Cerebral Arterial Diseases/	2645	
39	((Brain adj3 infarct*) or (brain adj3 isch?emi*) or (Cereb* adj3 infarct*) or (cereb* adj3 isch?emi*) or isch?emic neuronal injur* or isch?emic stroke? or lacunar stroke* or lacunar	90271	

	isch?emi* or lacunar infarct* or thromb?embolic stroke* or thromb? embolic stroke*).ti,ab,kf.		
40	or/27-39	267552	
41	26 and 40	8787	
			Large animals engl, german AND disease
42	(comment or editorial or review).pt.	3195986	Exclusion of publication types
43	41 not 42	8122	
44	((systematic adj3 review) or (systematic adj3 overview) or meta-analy* or metaanaly*).ti.	101821	Syst. Reviews OR Meta-Analyses
45	meta-analysis.pt.	87097	
46	44 or 45	130434	
47	41 and 46	26	Large animals engl, german AND disease AND Syst.Rev./Meta-

			analyses
48	43 or 47	8138	Large animals, engl, german AND disease (specific publication types)
49	limit 48 to yr="1990 - Current"	5261	from 1990 to current
50	remove duplicates from 49	5032	Final result: indexed citations

Legend:

/ = MeSH term

Exp = explode Mesh term

*** = truncation**

? = 0 or 1 character

.ti,ab,kf. = title, abstract, keyword heading word

.ti. = title

.la. = Language

.pt. = publication type

.yr. = publication year

adjn = terms within n words in any order

“ = same as

Update Search MEDLINE databases:

Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations September 25, 2017,

Ovid MEDLINE(R) Epub Ahead of Print September 25, 2017

Search date 2017-09-26

#	Searches	Results	Annotations
1	(large animal* or large mammal* or baboon* or beagle* or bovine* or cat or cats or kitten* or canine* or cattle* or cavy or cavia or cow or cows or cynomolgus or dog or dogs or equine* or feline* or goat* or gyrencephalic or hare or horse* or macaca* or macaque* or marmoset* or monkey* or papio* or primate* or NHP or ovine* or pig or pigs or piglet* or porcine* or rabbit* or sheep*	78677	Large animals textwords

	or swine*).ti,ab,kf.		
2	<p>(Alouattinae or</p> <p>Alouatta? or Aotidae</p> <p>or Aotinae or Aotus or</p> <p>Atelidae or Atelinae</p> <p>or Barbary Ape? or</p> <p>Black Ape? or</p> <p>Bonobo? or Cacajao?</p> <p>or calliceb* or</p> <p>Callimico* or</p> <p>Callithrix or</p> <p>Callitrichinae or</p> <p>Catarrhina? or</p> <p>Cebidae or Cebinae</p> <p>or Cebus or Cebuella?</p> <p>or Celebes* ape? or</p> <p>Cercocebus or</p> <p>Cercopithec* or</p> <p>Chimpanzee? or</p> <p>Chiropote? or</p> <p>Colobinae or Colobus</p> <p>or Douroucouli or</p> <p>Erythrocebus or</p> <p>Gelada? or Gibbon?</p> <p>or Hamadrya? or</p>	1654	

	Hapale? or Hylobat? or Langur? or Leontideus or Leontopithecus or Lophocebus or Mangabey? or Mandrillus or Miopithecus Talapoin? or Pan Paniscus or Pan Troglodytes or Pongidae or Pongo? or Presbyti? or Pygathri* or Platyrrhin* or Tamarin? or Saguinus or Saimir* or Siamang? or Pitheciidae or Pitheciin* or Pithecin* or Pithecia? or Tarsier? or Tarsii* or Tarsius or Theropithec*).ti,ab,kf.		
3	1 or 2	79352	

4	(eng or ger).la.	3302652	Language english or german
5	3 and 4	78703	Large animals AND english, german
6	((Brain adj3 infarct*) or (brain adj3 isch?emi*) or (Cereb* adj3 infarct*) or (cereb* adj3 isch?emi*) or isch?emic neuronal injur* or isch?emic stroke? or lacunar stroke* or lacunar isch?emi* or lacunar infarct* or thromb?embolic stroke* or thromb? embolic stroke*).ti,ab,kf.	11456	Disease: textwords
7	5 and 6	204	Large animals AND disease AND English/german
8	(comment or editorial or review).pt.	189840	Exclusion of publication types

9	7 not 8	196	
10	((systematic adj3 review) or (systematic adj3 overview) or meta-analy* or metaanaly*).ti.	28706	Syst. Reviews OR Meta-Analyses
11	meta-analysis.pt.	199	
12	10 or 11	28723	
13	7 and 12	2	Large animals, engl, german AND disease AND syst.rev./Meta-analysen
14	9 or 13	196	Large animals, engl, german AND disease (specific publication types)
15	limit 14 to yr="1990 - Current"	192	From 1990 to current final result of non-indexed citations

Legend:

*** = Truncation**

? = 0 or 1 character

.ti,ab,kf. = title, abstract, keyword heading word

.ti. = title

.la. = Language

.pt. = publication type

.yr. = publication year

adj*n* = terms within n words in any order

“ = same as

Update Search MEDLINE databases:

Ovid MEDLINE(R) 1946 to July Week 5 2019,

Ovid MEDLINE(R) Daily Update August 07, 2019

Search date: 2019-08-09

Update-search from “2017 to Current”, see search no. #49)

#	Searches	Results
1	haplorhini/	46457
2	catarrhini/	89
3	exp cercopithecidae/	120301
4	hominidae/	7994
5	gorilla gorilla/	1879
6	pan paniscus/	524
7	pan troglodytes/	9253
8	exp pongo/	1245
9	exp hylobatidae/	936
10	exp platyrrhini/	13635
11	exp tarsii/	75
12	exp swine/	213026
13	exp sheep/	116366
14	cats/	133779
15	dogs/	321733
16	rabbits/	336349
17	exp goats/	30529

18	horses/	67515
19	cattle/	340856
20	ferrets/	5603
21	guinea pigs/	138975
22	(large animal* or large mammal* or baboon* or beagle* or bovine* or cat or cats or kitten* or canine* or cattle* or cavy or cavia or cow or cows or cynomolgus or dog or dogs or equine* or feline* or goat* or gyrencephalic or hare or horse* or macaca* or macaque* or marmoset* or monkey* or papio* or primate* or NHP or ovine* or pig or pigs or piglet* or porcine* or rabbit* or sheep* or swine*).ti,ab,kf.	1394059
23	(Alouattinae or	24339

	<p>Alouatta? or Aotidae</p> <p>or Aotinae or Aotus or</p> <p>Atelidae or Atelinae</p> <p>or Barbary Ape? or</p> <p>Black Ape? or</p> <p>Bonobo? or Cacajao?</p> <p>or calliceb* or</p> <p>Callimico* or</p> <p>Callithrix or</p> <p>Callitrichinae or</p> <p>Catarrhina? or</p> <p>Cebidae or Cebinae</p> <p>or Cebus or Cebuella?</p> <p>or Celebes* ape? or</p> <p>Cercocebus or</p> <p>Cercopithec* or</p> <p>Chimpanzee? or</p> <p>Chiropote? or</p> <p>Colobinae or Colobus</p> <p>or Douroucouli or</p> <p>Erythrocebus or</p> <p>Gelada? or Gibbon?</p> <p>or Hamadrya? or</p> <p>Hapale? or Hylobat?</p> <p>or Langur? or</p>	
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	Leontideus or Leontopithecus or Lophocebus or Mangabey? or Mandrillus or Miopithecus Talapoin? or Pan Paniscus or Pan Troglodytes or Pongidae or Pongo? or Presbyti? or Pygathri* or Platyrrhin* or Tamarin? or Saguinus or Saimir* or Siamang? or Pitheciidae or Pitheciin* or Pithecin* or Pithecia? or Tarsier? or Tarsii* or Tarsius or Theropithec*).ti,ab,kf.	
24	or/1-23	1934189
25	(eng or ger).la.	22255595
26	24 and 25	1743154

27	Cerebrovascular Disorders/	45849
28	exp Brain Ischemia/	102828
29	exp Carotid Artery Diseases/	45950
30	Infarction, Anterior Cerebral Artery/	244
31	Infarction, Middle Cerebral Artery/	8165
32	Infarction, Posterior Cerebral Artery/	267
33	Moyamoya Disease/	3025
34	Intracranial Arteriosclerosis/	5939
35	exp "Intracranial Embolism and Thrombosis"/	20707
36	exp Stroke/	124146
37	Vasospasm, Intracranial/	3050
38	Cerebral Arterial Diseases/	2590
39	((Brain adj3 infarct*) or (brain adj3 isch?emi*) or (Cereb*	96592

	adj3 infarct*) or (cereb* adj3 isch?emi*) or isch?emic neuronal injur* or isch?emic stroke? or lacunar stroke* or lacunar isch?emi* or lacunar infarct* or thromb?embolic stroke* or thromb? embolic stroke*).ti,ab,kf.	
40	or/27-39	279133
41	26 and 40	8688
42	(comment or editorial or review).pt.	3380708
43	41 not 42	8020
44	((systematic adj3 review) or (systematic adj3 overview) or meta-analy* or metaanaly*).ti.	130066
45	meta-analysis.pt.	103549
46	44 or 45	160432

47	41 and 46	28
48	43 or 47	8038
49	limit 48 to yr="2017- Current"	328
50	remove duplicates from 49	328

Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations 1946 to August 07, 2019,

Ovid MEDLINE(R) Epub Ahead of Print August 08, 2019

Search date 2019-08-09

Update-search from “2017 to Current”, see search no. #15)

#	Searches	Results
1	(large animal* or large mammal* or baboon* or beagle* or bovine* or cat or cats or kitten* or canine* or cattle* or cavy or cavia or cow or cows or cynomolgus or dog or dogs or equine* or feline* or goat* or gyrencephalic or hare or horse* or macaca* or macaque* or marmoset* or monkey* or papio* or primate* or NHP or ovine* or pig or pigs or piglet* or porcine* or rabbit* or sheep* or swine*).ti,ab,kf.	86417
2	(Alouattinae or Alouatta? or Aotidae or Aotinae or Aotus or Atelidae or Atelinae or Barbary Ape? or Black Ape? or Bonobo? or Cacajao? or calliceb* or Callimico* or Callithrix or	1858

	<p>Callitrichinae or</p> <p>Catarrhina? or Cebidae or</p> <p>Cebinae or Cebus or</p> <p>Cebuella? or Celebes* ape?</p> <p>or Cercocebus or</p> <p>Cercopithec* or</p> <p>Chimpanzee? or</p> <p>Chiropote? or Colobinae or</p> <p>Colobus or Douroucouli or</p> <p>Erythrocebus or Gelada?</p> <p>or Gibbon? or Hamadrya?</p> <p>or Hapale? or Hylobat? or</p> <p>Langur? or Leontideus or</p> <p>Leontopithecus or</p> <p>Lophocebus or Mangabey?</p> <p>or Mandrillus or</p> <p>Miopithecus Talapoin? or</p> <p>Pan Paniscus or Pan</p> <p>Troglodytes or Pongidae or</p> <p>Pongo? or Presbytis? or</p> <p>Pygathri* or Platyrrhin* or</p> <p>Tamarin? or Saguinus or</p> <p>Saimir* or Siamang? or</p> <p>Pitheciidae or Pitheciin* or</p> <p>Pithecin* or Pithecia? or</p>	
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	Tarsier? or Tarsii* or Tarsius or Theropithec*).ti,ab,kf.	
3	1 or 2	87169
4	(eng or ger).la.	3912948
5	3 and 4	86620
6	((Brain adj3 infarct*) or (brain adj3 isch?emi*) or (Cereb* adj3 infarct*) or (cereb* adj3 isch?emi*) or isch?emic neuronal injur* or isch?emic stroke? or lacunar stroke* or lacunar isch?emi* or lacunar infarct* or thromb?embolic stroke* or thromb? embolic stroke*).ti,ab,kf.	14156
7	5 and 6	231
8	(comment or editorial or review).pt.	272668
9	7 not 8	216
10	((systematic adj3 review) or (systematic adj3 overview) or meta-analy* or metaanaly*).ti.	36274

11	meta-analysis.pt.	40
12	10 or 11	36284
13	7 and 12	3
14	9 or 13	217
15	limit 14 to yr="2017- Current"	113

Supplementary Table 2: Search strategy in Web of Science Database

Science Citation Index Expanded via Web of Science from Clarivate Analytics.

Search dates and Update status:

Initial search 26th September 2017:

Science Citation Index via Web of Science from Clarivate Analytics (time span: 1990 – 25th Sept. 2017).

Update search 9th August 2019: from January 2017 up to the update status at the date of search:

Science Citation Index Expanded (time span: 2017 to 8th August 2019).

Initial search:

Science Citation Index Expanded via Web of Science from Clarivate Analytics (time span: 1990 – 25th Sept. 2017).

Set	Result	
# 12	4237	#11 OR #10 Indexes=SCI-EXPANDED Timespan=1990-2017
# 11	4016	#8 OR #7 Refined by: RESEARCH AREAS: (NEUROSCIENCES NEUROLOGY OR SURGERY OR PHARMACOLOGY PHARMACY OR RADIOLOGY NUCLEAR MEDICINE MEDICAL IMAGING OR MATERIALS SCIENCE OR PHYSIOLOGY OR RESEARCH EXPERIMENTAL MEDICINE OR VETERINARY SCIENCES OR INSTRUMENTS INSTRUMENTATION OR PATHOLOGY OR SCIENCE TECHNOLOGY OTHER TOPICS OR EMERGENCY MEDICINE OR ENGINEERING OR LIFE SCIENCES BIOMEDICINE OTHER TOPICS OR BIOTECHNOLOGY

		APPLIED MICROBIOLOGY) Indexes=SCI-EXPANDED Timespan=1990-2017
# 10	4105	#8 OR #7 Refined by: WEB OF SCIENCE CATEGORIES: (NEUROSCIENCES OR BIOTECHNOLOGY APPLIED MICROBIOLOGY OR CLINICAL NEUROLOGY OR SURGERY OR PHARMACOLOGY PHARMACY OR BIOCHEMISTRY MOLECULAR BIOLOGY OR RADIOLOGY NUCLEAR MEDICINE MEDICAL IMAGING OR MATERIALS SCIENCE BIOMATERIALS OR CRITICAL CARE MEDICINE OR PHYSIOLOGY OR MEDICINE RESEARCH EXPERIMENTAL OR NEUROIMAGING OR VETERINARY SCIENCES OR PATHOLOGY OR EMERGENCY MEDICINE OR ENGINEERING BIOMEDICAL OR BIOCHEMICAL RESEARCH METHODS) Indexes=SCI-EXPANDED Timespan=1990-2017
# 9	5042	#8 OR #7 Indexes=SCI-EXPANDED Timespan=1990-2017
# 8	11	((#6 and ti=(systematic or metaanaly* or metanaly* or "meta-analy*")) AND DOCUMENT TYPES: (Review) Indexes=SCI-EXPANDED Timespan=1990-2017
# 7	5031	(#5) AND LANGUAGE: (English OR German) Refined by: [excluding]

		DOCUMENT TYPES: (DISCUSSION OR REVIEW OR EDITORIAL MATERIAL OR REPRINT OR NOTE OR NEWS ITEM) Indexes=SCI-EXPANDED Timespan=1990-2017
# 6	5534	(#5) AND LANGUAGE: (English OR German) Indexes=SCI-EXPANDED Timespan=1990-2017
# 5	5601	#4 AND #3 Indexes=SCI-EXPANDED Timespan=1990-2017
# 4	124271	ts=((Brain near/3 infarct*) or (brain near/3 isch\$semi*) or (Cereb* near/3 infarct*) or (cereb* near/3 isch\$semi*) or "isch\$semic neuronal injur*" or "isch\$semic stroke\$" or "lacunar stroke\$" or "lacunar isch\$semi*" or "lacunar infarct*" or "thromb\$embolic stroke\$" or "thromb\$ embolic stroke\$") Indexes=SCI-EXPANDED Timespan=1990-2017
# 3	1388509	#2 OR #1 Indexes=SCI-EXPANDED Timespan=1990-2017
# 2	34945	ts=(Alouattinae or Alouatta\$ or Aotidae or Aotinae or Aotus or Atelidae or Atelinae or "Barbary Ape*" or "Black Ape*" or Bonobo\$ or Cacajao\$ or calliceb* or Callimico* or Callithrix or Callitrichinae or Catarrhina\$ or Cebidae or Cebinae or Cebus or Cebuella\$ or "Celebes* ape*" or Cercocebus or Cercopithec* or Chimpanzee\$ or Chiropote\$ or Colobinae or Colobus or Douroucouli or Erythrocebus or Gelada\$ or Gibbon\$ or Hamadrya\$ or Hapale\$ or Hylobat\$ or Langur\$ or Leontideus or

		Leontopithecus or Lophocebus or Mangabey\$ or Mandrillus or “Miopithecus Talapoin*” or “Pan Paniscus” or “Pan Trogodytes” or Pongidae or Pongo\$ or Presbytis\$ or Pygathri* or Platyrrhin* or Tamarin\$ or Saguinus or Saimir* or Siamang\$ or Pitheciidae or Pitheciin* or Pithecin* or Pithecia\$ or Tarsier\$ or Tarsii* or Tarsius or Theropithec*) Indexes=SCI-EXPANDED Timespan=1990-2017
# 1	1376019	ts=(“large animal*” or “large mammal*” or baboon* or beagle* or bovine* or cat or cats or kitten* or canine* or cattle* or cavy or cavia or cow or cows or cynomolgus or dog or dogs or equine* or feline* or goat* or gyrencephalic or hare or horse* or macaca* or macaque* or marmoset* or monkey* or papio* or primate* or NHP or ovine* or pig or pigs or piglet* or porcine* or rabbit* or sheep* or swine*) Indexes=SCI-EXPANDED Timespan=1990-2017

Legend:

TS=Topic: search in: Title, Abstract, Author Keywords, Keywords Plus®

near/3 = terms within 3 words in any order

* = Truncation

\$ = Wildcard: 1 or 0 character

Update search: Science Citation Index Expanded (time span: 2017 to 8th August 2019).

# 12	380	#11 OR #10 Indexes=SCI-EXPANDED Timespan=2017-2019
# 11	363	#8 OR #7 Refined by: RESEARCH

		AREAS: (PHARMACOLOGY PHARMACY OR PHYSIOLOGY OR INSTRUMENTS INSTRUMENTATION OR RADIOLOGY NUCLEAR MEDICINE MEDICAL IMAGING OR BIOTECHNOLOGY APPLIED MICROBIOLOGY OR LIFE SCIENCES BIOMEDICINE OTHER TOPICS OR RESEARCH EXPERIMENTAL MEDICINE OR MATERIALS SCIENCE OR NEUROSCIENCES NEUROLOGY OR SCIENCE TECHNOLOGY OTHER TOPICS OR EMERGENCY MEDICINE OR SURGERY OR ENGINEERING OR VETERINARY SCIENCES OR PATHOLOGY) Indexes=SCI-EXPANDED Timespan=2017-2019
# 10	347	#8 OR #7 Refined by: WEB OF SCIENCE CATEGORIES: (ENGINEERING BIOMEDICAL OR BIOCHEMICAL RESEARCH METHODS OR PATHOLOGY OR BIOCHEMISTRY MOLECULAR BIOLOGY OR PHARMACOLOGY PHARMACY OR BIOTECHNOLOGY APPLIED MICROBIOLOGY OR PHYSIOLOGY OR RADIOLOGY NUCLEAR MEDICINE MEDICAL IMAGING OR MATERIALS SCIENCE BIOMATERIALS OR

		CLINICAL NEUROLOGY OR MEDICINE RESEARCH EXPERIMENTAL OR SURGERY OR CRITICAL CARE MEDICINE OR NEUROIMAGING OR VETERINARY SCIENCES OR EMERGENCY MEDICINE OR NEUROSCIENCES) Indexes=SCI-EXPANDED Timespan=2017-2019
# 9	432	#8 OR #7 Indexes=SCI-EXPANDED Timespan=2017-2019
# 8	6	((#6 and ti=(systematic or metaanaly* or metanaly* or "meta-analy*")))) AND DOCUMENT TYPES: (Review) Indexes=SCI-EXPANDED Timespan=2017-2019
# 7	426	(#5) AND LANGUAGE: (English OR German) Refined by: [excluding] DOCUMENT TYPES: (EDITORIAL MATERIAL OR REVIEW) Indexes=SCI-EXPANDED Timespan=2017-2019
# 6	478	(#5) AND LANGUAGE: (English OR German) Indexes=SCI-EXPANDED Timespan=2017-2019
# 5	479	#4 AND #3 Indexes=SCI-EXPANDED Timespan=2017-2019
# 4	23985	ts=((Brain near/3 infarct*) or (brain near/3 isch*emi*) or (Cereb* near/3 infarct*) or (cereb* near/3 isch*emi*) or "isch*emic neuronal injur*" or "isch*emic stroke*" or "lacunar stroke*" or "lacunar isch*emi*" or "lacunar infarct*" or "thromb*embolic stroke*" or "thromb* embolic stroke*") Indexes=SCI-EXPANDED

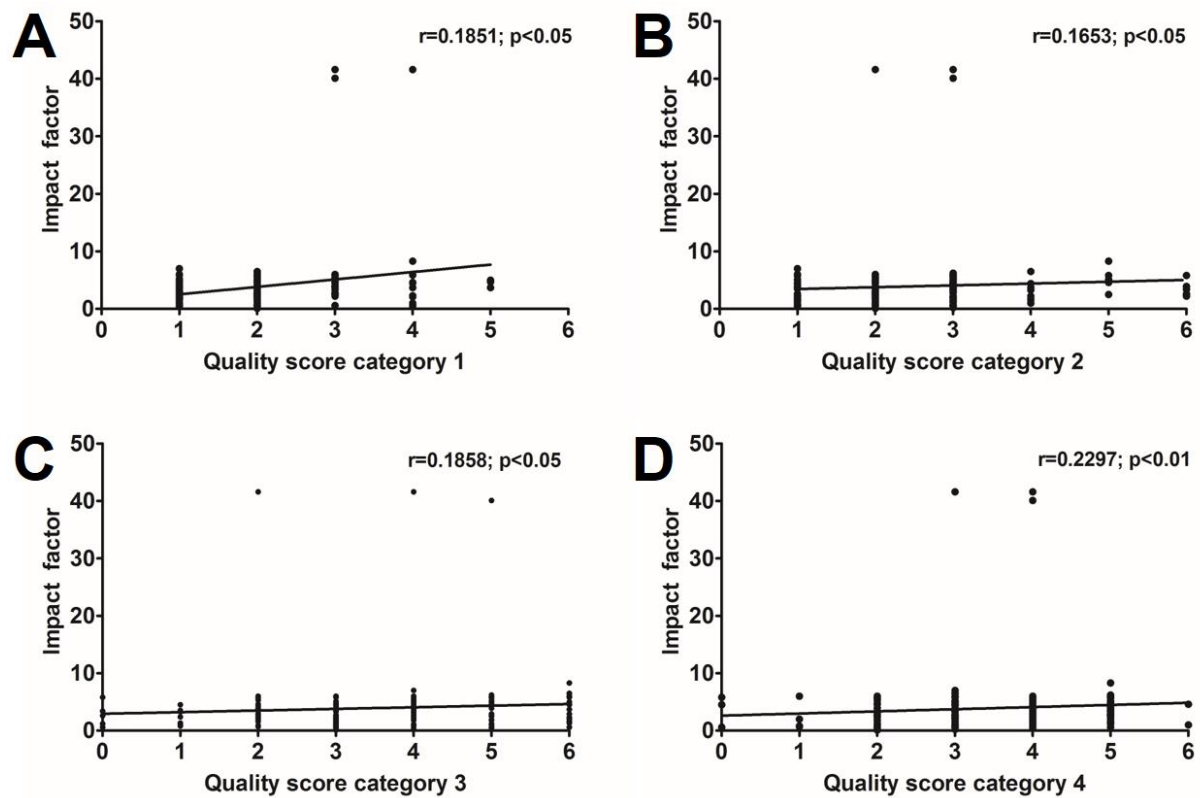
		Timespan=2017-2019
# 3	152657	#2 OR #1 Indexes=SCI-EXPANDED Timespan=2017-2019
# 2	4014	ts=(Alouattinae or Alouatta\$ or Aotidae or Aotinae or Aotus or Atelidae or Atelinae or “Barbary Ape*” or “Black Ape*” or Bonobo\$ or Cacajao\$ or calliceb* or Callimico* or Callithrix or Callitrichinae or Catarrhina\$ or Cebidae or Cebinae or Cebus or Cebuella\$ or “Celebes* ape*” or Cercocebus or Cercopithec* or Chimpanzee\$ or Chiropote\$ or Colobinae or Colobus or Douroucouli or Erythrocebus or Gelada\$ or Gibbon\$ or Hamadrya\$ or Hapale\$ or Hylobat\$ or Langur\$ or Leontideus or Leontopithecus or Lophocebus or Mangabey\$ or Mandrillus or “Miopithecus Talapoin*” or “Pan Paniscus” or “Pan Trogodytes” or Pongidae or Pongo\$ or Presbytis\$ or Pygathri* or Platyrrhin* or Tamarin\$ or Saguinus or Saimir* or Siamang\$ or Pitheciidae or Pitheciin* or Pithecin* or Pithecia\$ or Tarsier\$ or Tarsii* or Tarsius or Theropithec*) Indexes=SCI-EXPANDED Timespan=2017-2019
# 1	151121	ts=(“large animal*” or “large mammal*” or baboon* or beagle* or bovine* or cat or cats or kitten* or canine* or cattle* or cavy or cavia or cow or cows or cynomolgus or dog or dogs or equine* or feline* or goat* or gyrencephalic or hare or horse* or macaca* or macaque* or marmoset* or monkey* or papio* or

		primate* or NHP or ovine* or pig or pigs or piglet* or porcine* or rabbit* or sheep* or swine*) Indexes=SCI-EXPANDED Timespan=2017-2019
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Supplementary Table 3. Type and frequency of inappropriate analysis methods.

Method	Frequency (%)	Reasons for Inappropriateness
Imaging technologies [#]	n=4 (1.9%)	No quantitative or qualitative data presented and/or images only shown partially
Functional outcome	n=8 (3.8%)	Evaluated without confirmation of stroke induction
Clinical chemistry	n=4 (1.9%)	Presented parameters do not confirm successful therapeutic intervention and/or do not support the conclusions
Cerebral blood flow	n=1 (0.5%)	no relation to primary study endpoint
Histology	n=5 (2.4%)	no relation to primary study endpoint

[#] MRT (n=2), angiography (n=2)



Supplementary Figure 1. Association between impact factor and quality score within individual categories.

(A) to (D) Scatterplots show correlation between individual quality category scores and IF. There was a significant correlation between quality scores in each category 1-3 ($p<0.05$) and 4 ($p<0.01$) and IF. Number of included studies was 172, no IF in the year of publication could be retrieved for 36 studies.

Supplementary reference list

This supplementary reference list contains all papers being included in the systematic review. “Quality and validity of large animal experiments in stroke: a systematic review” by Kringe et al.

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