Supplementary Table 1. Baseline characteristics of the included studies

Study	Intervention type	Control/ comparison type	Study design	Study setting (for observational studies)	Inclusion criteria described	Exclusion criteria described	Overall sample size	Average/ last follow-up (mo)
Al-Shahi Salman (2014; Scotland) ^{S1}	Multimodality	Conservative/ medical	Observational	Prospective	Yes	Yes	204	82.8
Bervini (2014; Australia) ^{S2}	Microsurgical resection	Conservative/ medical	Observational	Prospective	Yes	Yes	377	9
Ding (2016; USA) ¹⁴	Radiosurgery	N/A	Observational	Retrospective	Yes	Yes	509	86
Ding (2017; USA, Canada) ³⁵	Radiosurgery	N/A	Observational	Retrospective	Yes	Yes	232	90.5
Halim (2004; USA) ^{S3}	Unknown	Ruptured	Observational	Retrospective	No	No	793	120
Hanakita (2016; Japan) ^{S4}	Radiosurgery	N/A	Observational	Retrospective	No	No	292	62
Javadpour (2016; UK) ¹⁷	Microsurgical resection	Multimodality	Observational	Retrospective	Yes	Yes	143	69
Jiao (2018; China) ^{S5}	Microsurgical resection	N/A	Observational	Retrospective	No	No	201	14.2
Kim (2014; USA, Scotland) ⁵	Conservative	Ruptured	Observational	Mixed	Yes	Yes	5,050	Variable
Koltz (2013; USA) ^{S6}	Radiosurgery	Ruptured	Observational	Retrospective	No	No	102	102
Laakso (2011; Finland) ^{S7}	Conservative	Ruptured	Observational	Prospective	Yes	No	63	132
Lang (2018; USA) ^{S8}	Multimodality	Radiosurgery+ embolization	Observational	Retrospective	Yes	Yes	105	43
Link (2018; USA) ¹³	Multimodality	N/A	Observational	Prospective	Yes	Yes	86	At least 6 months
Lv (2010; China) ^{S9}	Embolization	Ruptured	Observational	Retrospective	No	No	144	82.8
Lv (2012; China) ²⁹	Embolization	Ruptured	Observational	Retrospective	No	No	147	67.2
Mohr (2014; Germany) ⁸	Multimodality	Conservative/ medical	RCT	Prospective	Yes	Yes	223	32.9
Nerva (2015; USA) ^{S10}	Microsurgical resection +/- embolization	Radiosurgery +/- embolization	Observational	Retrospective	Yes	Yes	61	15.6
Nerva (2018; USA) ^{S11}	Radiosurgery	Ruptured	Observational	Retrospective	Yes	No	70	51.6
Pollock (2013; USA) ¹⁵	Radiosurgery	N/A	Observational	Prospective	Yes	Yes	174	64
Potts (2015; USA) ²⁸	Microsurgical resection	Ruptured	Observational	Prospective	No	No	232	20.4
Rutledge (2014; USA) ¹¹	Multimodality	Conservative/ medical	Observational	Prospective	Yes	Yes	74	21
Singfer (2017; Belgium) ⁵¹	Embolization	N/A	Observational	Prospective	Yes	No	61	60
Thenier-Villa (2017; Spain) ^{S12}	Radiosurgery	Ruptured	Observational	Retrospective	Yes	No	195	121.91
Yang (2009; South Korea) ^{S13}	Radiosurgery +/- embolization	Ruptured	Observational	Prospective	Yes	No	46	66.5
Yang (2012; South Korea) ^{S14}	Radiosurgery	N/A	Observational	Prospective	Yes	Yes	78	92.5

N/A, not applicable; RCT, randomized controlled trial.