

Supplementary Table 1. Characteristics of included studies

Study	Year	Study period	Location	Patient number	Patients per subgroup (ADAPT, SR)	Lesion site*	Treatment window	EVT approach	Stent-retriever system	Aspiration system
Altenbernd et al. ²⁰	2017	2016	Germany	31	31, 0	M2, M3	6 hours	ADAPT	-	Penumbra 5MAX
ASTER trial	2017	2015–2016	France	79	48, 31	M2	6 hours	ADAPT, SR	Various, most commonly Solitaire, Trevo	-
Coutinho et al. ²²	2016	SWIFT 2010–2011, STAR 2010–2012, SWIFT-PRIME 2012–2014	North America, Europe	50	0, 50	M2	8 hours (SWIFT STAR), 6 hours (SWIFT PRIME)	SR	Various	-
Dorn et al. ⁸	2015	2011–2013	Germany	16	0, 16	M2	NR	SR	Solitaire	-
Flores et al. ²³	2015	2011–2012	Spain	65	0, 65	M2	NR	SR	Solitaire, Mindframe Capture, Trevo Pro, Preset	-
Kim et al. ⁹	2016	2011–2016	Korea	41	25, 16	M2	8 hours	ADAPT, SR	Solitaire, Trevo	Penumbra 4MAX
Mokin et al. ²⁴	2017	2012–2016	United States	117	52, 65	M2	24 hours	ADAPT, SR	NR	NR
Park and Kwak ²⁵	2016	2013–2014	Korea	32	32, 0	M2	8 hours	ADAPT	-	Penumbra 4MAX
Protto et al. ²⁶	2016	2013–2014	Finland	22	0, 22	M2	NR	SR	Trevo, CAPTURE LP, ERIC, Aperio, REVIVE	-
Salahuddin et al. ²⁷	2017	2013–2016	United States	59	0, 59	M2	6 hours	SR	Solitaire, Trevo	-
Sarraj et al. ²⁸	2016	2012–2015	United States	288	0, 288	M2	8 hours	SR	Various	-
Vargas et al. ³⁰	2017	2012–2015	United States	35	35, 0	M2, M3, A3, P2	NR	ADAPT	-	Penumbra 5MAX, 5MAX ACE, 4MAX, 3MAX

ADAPT, A Direct Aspiration First Pass Technique; SR, stent retrieval; EVT, endovascular therapy; ASTER, the Contact Aspiration Versus Stent Retriever for Successful Revascularization; SWIFT, Solitaire FR With the Intention For Thrombectomy; STAR, Solitaire FR Thrombectomy for Acute Revascularisation; SWIFT PRIME, Solitaire With the Intention For Thrombectomy as Primary Endovascular Treatment for Acute Ischemic Stroke; NR, not reported.

*Definition of lesion site described in Supplementary Table 2.