

On-line Table 1: Detailed procedural data and outcome

No.	IVT	Occluded Artery (Segment)	IAT	LSN to GP	GP to Recanal (min)	Retriever Used (No. of Passes)	Final TICl	Post- Procedural ICH/sICH	NIHSS on Admission	NIHSS at Discharge	mRS at Discharge	mRS at 3 Mo
1	–	MCA (1)	–	9 hr 24 min	173	Trevo (3) Solitaire (2) ERIC (3)	1	ICH	10	10	4	3
2	Y	MCA (1)	–	4 hr 32 min	90	ERIC (3)	3	–	20	19	5	6
3	–	MCA (2)	–	7 hr 34 min	74	ERIC (1)	3	–	16	†	6	6
4	Y	MCA (1)	–	5 hr 15 min	179	ERIC (2)	2b	sICH	21	10	4	3
5	–	MCA (2)	–	7 hr 34 min	136	ERIC (2)	2b	–	8	4	4	2
6	–	MCA (1)	–	3 hr 29 min	36	ERIC (1)	3	–	14	11	5	5
7	–	MCA (2)	Y	15 hr 20 min	118	ERIC (1)	2a	–	5	3	2	1
8	–	MCA (1)	–	2 hr 56 min	243	Trevo (2) ERIC (3) Penumbra 5Max (3)	2a	–	21	†	6	6
9	–	MCA (1)	–	8 hr 25 min	181	Trevo (2) ERIC (1) Penumbra 5Max (1)	2a	–	11	0	2	2
10	Y	MCA (1)	–	3 hr 13 min	72	Penumbra 5Max (1) ERIC (1)	3	–	17	16	5	6
11	Y	ICA-T and MCA (1)	–	6 hr 14 min	80	ERIC (3)	3	–	18	11	4	4
12	Y	ICA-T	–	4 hr 33 min	144	ERIC (2)	3	sICH	19	†	6	6
13	–	MCA (1)	Y	10 hr 33 min	161	ERIC (1)	2b	–	20	5	3	1
14	Y	ICA-T	–	4 hr 00 min	195	Penumbra 5Max (3) pREset (2) ^a ERIC (4)	2b	ICH	20	10	4	3
15	–	MCA (2)	–	7 hr 01 min	58	ERIC (1)	2b	–	6	0	0	0
16	Y	ICA-T	–	3 hr 01 min	166	Penumbra 5Max (2) ERIC (2)	2b	–	20	9	4	6
17	–	MCA (1)	–	10 hr 24 min	43	ERIC (1)	3	–	12	8	4	3
18	–	MCA (1)	–	12 hr 54 min	46	ERIC (1)	3	–	15	2	3	3
19	Y	MCA (1)	–	4 hr 55 min	45	ERIC (1)	3	–	6	8	4	3
20	Y	MCA (1)	–	4 hr 45 min	105	ERIC (1)	3	–	18	9	3	3
21	Y	ICA-T and MCA (2)	–	3 hr	125	Penumbra 5Max (1) ERIC (1)	2b	–	21	1	1	1
22	Y	MCA (1)	–	5 hr 40 min	140	Trevo (2) ERIC (3)	2b	sICH	18	16	5	4
23	Y	MCA (1)	–	2 hr 45 min	103	ERIC (1)	2b	–	17	11	4	3
24	Y	MCA (1)	–	3 hr 39 min	36	ERIC (1)	2a	–	19	12	4	3
25	–	MCA (1)	–	10 hr 23 min	207	ERIC (4)	1	–	21	†	6	6
26	–	ICA-T and MCA (1)	–	12 hr 12 min	243	ERIC (2)	3	–	20	8	4	4
27	Y	MCA (2)	–	2 hr 13 min	91	ERIC (2)	3	–	5	1	1	0
28	–	MCA (1)	–	17 hr 10 min	119	ERIC (1)	3	–	27	†	6	6
29	Y	MCA (2)	–	5 hr	60	ERIC (2)	3	–	19	2	3	5
30	Y	MCA (2)	–	5 hr 50 min	95	ERIC (1)	3	–	18	†	6	6
31	Y	MCA (1) and ACA	–	2 hr 45 min	65	ERIC (2)	2b	–	23	†	6	6
32	–	MCA (2)	–	3 hr 40 min	90	ERIC (1)	3	–	5	2	2	2
33	Y	MCA (1)	–	3 hr 55 min	20	ERIC (1)	3	–	20	0	0	0
34	Y	ICA-T	–	5 hr 15 min	30	ERIC (1)	3	–	10	0	0	0
35	–	MCA (1)	–	6 hr	33	ERIC (1)	3	–	5	0	2	2
36	Y	MCA (2)	–	3 hr 13 m	72	ERIC (1)	2b	–	8	0	0	0

Note:—ACA indicates anterior cerebral artery; Recanal, recanalization; IAT, intra-arterial thrombolysis (urokinase); –, no; Y, yes; LSN to GP indicates time from last seen normal to groin puncture; ICA-T, ICA bifurcation; †, died.

^a pREset (phenox GmbH, Bochum, Germany).

On-line Table 2: Comparison of procedural data and outcome in selected reperfusion studies

Study	No.	Median NIHSS at Baseline	IVT (%)	Onset to Endovascular Intervention Time (Mean)	Procedural Time (Mean) (min)	TICI 2-3 (%)	mRS ≤2 at 90 Days (%)	Mortality at 90 Days (%)	sICH (%)
Intravenous thrombolysis									
Pooling analysis of IV tPA trials within 6 hr, 2012 ²⁰	7012	NA	100	NA	NA	NA	46 ^a	19 ^a	8
Intra-arterial thrombolysis									
PROACT II, 1999 ²¹	121	17	0	4 hr 42 min ^b	NA	66	40	25	10
MELT, 2007 ²²	57	14	0	3 hr 19 min	NA	74	49	5	9
IMS I, 2004 ²³	62	18	100	3 hr 03 min ^c	NA	56	43	16	6
IMS II, 2007 ²⁴	55	19	100	NA	NA	60	46	16	10
Ribo et al, 2014 ⁷	127	19	63	3 hr 57 min	103	51 ^d	34	NA	11
RECANALISE, 2009 ²⁵	53	14	100	NA	NA	87	57	17	9
Mechanical thrombectomy									
Merci, Smith et al, 2005 ⁶	141	20 ^e	0	4 hr 18 min	126	48	28	44	8
MultiMerci, Smith et al, 2008 ²⁷	164	19	29	4 hr 18 min ^c	96 ^c	68	36	34	10
Merci, Ribo et al, 2014 ⁷	119	17	40	4 hr 21 min	128	57 ^d	37	NA	12
Penumbra, PST, 2009 ²⁸	125	18 ^e	NA	4 hr 18 min	NA	82	25	33	11
Penumbra, Menon et al, 2011 ²⁹	27	18	63	3 hr 12 min ^c	80 ^c	85	45	19	4 ^f
Solitair, Castaño et al, 2010 ³⁰	20	19	50	5 hr 22 min	81	100	48	20	10
Solitair, Roth et al, 2010 ³¹	22	19	59	NA	NA	91	50	23	9
Solitair, Miteff et al, 2011 ³²	26	22	0	7 hr 38 min (4 hr 03 min ^f)	96	96	42	19	8
Solitair, Wehrschoetz et al, 2011 ³³	11	16	NA	NA	NA	100	30	9	0
Solitair, Dorn et al, 2012 ³⁴	104	15	56	NA	47	93	NA	NA	2
SWIFT Saver et al, 2012 ⁹									
Solitair	58	18	33	4 hr 53 min	NA	89	37	17	2
Merci	55	18	47	5 hr 20 min	NA	67	28	38	11
STAR, Pereira et al, 2013 ³⁵									
Solitair	202	17	59	4 hr 12 min	29	95	58	7	2
Trevo, San Román et al, 2012 ³⁶	60	18	55	3 hr 30 min ^c	80 ^c	87	45	28	12
Trevo, Medonça et al, 2013 ³⁷	13	19	54	3 hr 55 min	95	77	31	31	0
Trevo 2, Nogueira et al, 2012 ⁸									
Trevo	revo88	19	58	4 hr 36 min	NA	92	40	34	7
Merci	90	18	50	4 hr 30 min	NA	77	22	24	9
Revive, Rohde et al, 2011 ³⁸	10	18	90	NA	89	100	NA	30	20
pREset, Kurre et al, 2014 ³⁹	271	15 ^e	NA	4 hr 25 min	67	98	40	25	NA
MR CLEAN, Berkhemer et al, 2015 ¹¹	233	17	87	4 hr 20 min ^c	NA	81	33	21	8
ESCAPE, Goyal et al, 2015 ¹³	165	16	73	NA	30 ^{c,f}	72 ^d	53	10	4
EXTEND-IA, Campbell et al, 2015 ¹⁴	35	13	100	3 hr 30 min ^c	43 ^c	93	71	9	0
SWIFT PRIME, Saver et al, 2015 ¹⁵	98	17	100	3 hr 44 min ^c	NA	94	60	12	0
REVASCAT, Jovin et al, 2015 ¹²	103	17	68	4 hr 29 min ^c	75 ^c	90	44	18	5
Eric, Kahles et al, 2015 (current study)	36	18	55	6 hr 13 min 4 hr 57 min ^c	93 ^c	94	33	28	8

Note:—PST, Penumbra Pivotal Stroke Trial Investigators.

^a Assessed at final follow-up (4 wk to 6 mo).

^b Median time from onset to randomization.

^c Median (value).

^d TICI 2b-3.

^e Mean (value).

^f Groin puncture to first reperfusion.