Supplementary Materials

Supplementary Table S1. Handling of downstream occlusion according to the location

Location of downstream occlusion		Total	Further recanalization attempt	
			(+)	(–)
MCA	M1	48	45 (93.8)	3 (6.2)
	M2	120	95 (79.2)	25 (20.8)
	M3	21	10 (47.6)	11 (52.4)
	M4	36	2 (5.6)	34 (94.4)
ACA	A1	2	2 (100.0)	0 (0.0)
	A2	2	2 (100.0)	0 (0.0)
	A3	2	1 (50.0)	1 (50.0)
BA		2	2 (100.0)	0 (0.0)
PCA	P1	5	5 (100.0)	0 (0.0)
	P2	11	5 (45.5)	6 (54.5)
	P3	1	0 (0.0)	1 (100.0)
SCA		4	3 (75.0)	1 (25.0)
Total		254	172 (67.7)	82 (32.3)

Values represent the number of patients and their percentage (%). Dominance of management is represented in gray cells. MCA = middle cerebral artery; ACA = anterior cerebral artery; PCA = posterior cerebral artery; BA = basilar artery; SCA = superior cerebellar artery.

Supplementary Table S2. Frequencies of functional independence according to the location of downstream occlusion

Location of downstream occlusion	All (n = 254)	Further recanalization attempt		p-Value
		(+) (n = 172)	(–) (n = 82)	
MCA	96 (42.7)	65 (42.8)	31 (42.5)	0.966
M1	8 (16.7)	8 (17.8)	0 (0.0)	0.999
M2	57 (47.5)	50 (52.6)	67(28.0)	0.028
M3	12 (57.1)	5 (50.0)	7 (63.6)	0.670
M4	19 (52.8)	2 (100.0)	17 (50.0)	0.487
Critical branches	10 (52.6)	NA	10 (52.6)	NA
Precentral or central branches	3 (75.0)	NA	3 (75.0)	NA
Angular branches	7 (46.7)	NA	7 (46.7)	NA
Non-critical branches	9 (52.9)	2 (100.0)	7 (46.7)	0.471
Frontal branches	1 (25.0)	NA	1 (25.0)	NA
Temporal branches	8 (61.5)	2 (100.0)	6 (54.5)	0.487
ACA	1 (16.7)	1 (20.0)	0 (0.0)	0.999
A1	0 (0.0)	0 (0.0)	NA	NA
A2	1 (50.0)	1 (50.0)	NA	NA
A3	0 (0.0)	0 (0.0)	0 (0.0)	NA
BA	0 (0.0)	0 (0.0)	NA	NA
PCA	3 (17.6)	1 (10.0)	2 (28.6)	0.537
P1	1 (20.0)	1 (20.0)	NA	NA
P2	2 (18.2)	0 (0.0)	2 (33.3)	0.455
P3	0 (0.0)	NA	0 (0.0)	NA
SCA	2 (50.0)	2 (66.7)	0 (0.0)	0.999
Total	102 (40.2)	69 (40.1)	33 (40.2)	0.985

Values represent the number of patients and their percentage (%). Functional independence was defined as a modified Rankin Scale score of 0–2 at 3 months after stroke. MCA = middle cerebral artery; ACA = anterior cerebral artery; BA = basilar artery; PCA = posterior cerebral artery; SCA = superior cerebellar artery.

Supplementary Table S3. Clinical outcomes of downstream occlusion according to further recanalization attempt (for M3, M4, A2, A3, P2, P3 segments, and SCA)

Clinical outcomes	Further recanalization attempt		*p*-Value
	(+) (*n* = 23)	(–) (*n* = 54)	
Functional independence	10 (43.5)	26 (48.1)	0.707
Hemorrhagic complications			
Any intracranial hemorrhage	12 (52.2)	24 (44.4)	0.534
Symptomatic intracranial hemorrhage	1 (4.3)	4 (7.4)	0.999
Subarachnoid hemorrhage	0 (0.0)	1 (1.9)	0.999
Mortality	2 (8.7)	8 (14.8)	0.714

Values represent the number of patients and their percentage (%). Functional independence was defined as a modified Rankin Scale score of 0–2 at 3 months after stroke. SCA = superior cerebellar artery.