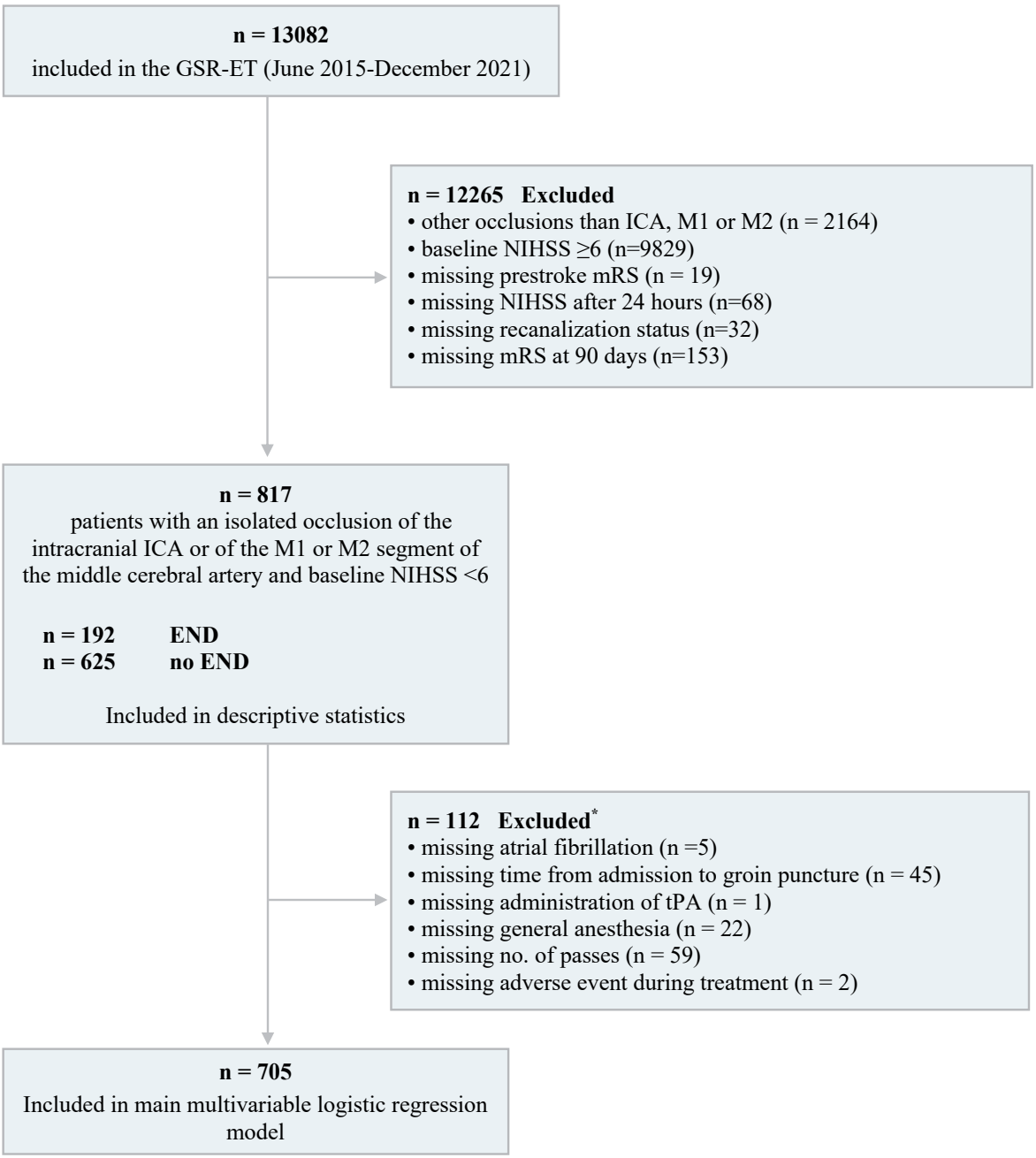
Figure S1. Flow chart of patient inclusion and exclusion.



*Multiple selection of patients possible.

Abbreviations:

GSR-ET: German Stroke Registry-Endovascular Treatment; ICA: Internal Carotid Artery; NIHSS: National Institutes of Health Stroke Scale; mRS: modified Rankin Scale; END: early neurological deterioration tPA: tissue plasminogen activator

Table S1. Patients' baseline, procedural and outcome characteristics stratified by functional outcome at 90 days

	Total N=817	**mRS≤1** N=425	**mRS ≥2** N=392	**p-value**
Baseline patient characteristics				
Age	72 (62-80)	68 (58-77)	77 (67-83)	<0.001
Male sex	419 (51%)	240 (56%)	179 (46%)	0.002
Prestroke mRS	0 (0-0)	0 (0-0)	0 (0-1)	<0.001
NIHSS at admission	4 (2-5)	3 (2-5)	4 (2-5)	<0.001
Hypertension	611 (75%)	302 (71%)	309 (79%)	0.011
Diabetes mellitus	171 (21%)	71 (17%)	100 (26%)	0.002
Dyslipidemia	369 (45%)	176 (42%)	193 (49%)	0.022
Atrial fibrillation	286 (35%)	129 (30%)	157 (40%)	0.003
Time from symptom onset/last seen well to admission (min)	180 (80-379)	164 (73-328)	207 (96-452)	0.001
Imaging characteristics				
ASPECTS	9 (8-10)	9 (8-10)	9 (8-10)	0.12
Left hemispheric stroke	446 (55%)	230 (54%)	216 (55%)	0.78
Intracranial ICA	99 (12%)	49 (12%)	50 (13%)	0.59
M1	375 (46%)	194 (46%)	160 (41%)	0.16
M2	402 (49%)	182 (43%)	182 (46%)	0.30
Treatment characteristics				
Administration of tPA	334 (41%)	202 (48%)	132 (34%)	<0.001
Time from admission to groin puncture (min)	81 (55-122)	82 (57-117)	79 (50-128)	0.77
General anesthesia	522 (66%)	254 (61%)	268 (71%)	0.004
No. of passes	1 (1-3)	1 (1-3)	2 (1-3)	0.11
TICI 0	55 (7%)	14 (3%)	41 (10%)	<0.001
TICI 1	20 (2%)	4 (1%)	16 (4%)	0.004
TICI 2a	39 (5%)	12 (3%)	27 (7%)	0.006
TICI 2b	268 (33%)	153 (36%)	115 (29%)	0.043
TICI 3	435 (53%)	242 (57%)	193 (49%)	0.027
Successful recanalization [TICI 2b-3]	703 (86%)	395 (93%)	308 (79%)	<0.001
Adverse event during treatment	147 (18%)	72 (17%)	75 (19%)	0.41
Vasospasm	42 (5%)	29 (7%)	13 (3%)	0.023
Clot migration and embolization	28 (3%)	12 (3%)	16 (4%)	0.32
Dissection or perforation	27 (3%)	11 (3%)	16 (4%)	0.23
Follow-up characteristics				
24-hour NIHSS	3 (1-6)	2 (0-3)	5 (2-12)	<0.001
END	192 (24%)	38 (9%)	154 (39%)	<0.001
Groin hematoma after 24 hours	12 (1%)	4 (1%)	8 (2%)	0.19
ICH after 24 hours	72 (9%)	27 (6%)	45 (11%)	0.010
Symptomatic ICH after 24 hours	33 (4%)	3 (1%)	30 (7.7%)	< 0.001
Recurrent Stroke	35 (4%)	13 (3%)	22 (6%)	0.072

Data are presented as median (IQR) for continuous measures, and n (%) for categorical measures. Characteristics were compared by using either Mann-Whitney U test (1) for continuous variables or a chi-square test (2) for categorical variables. Statistical significance: $p<0.05$.

Abbreviations: END: early neurological deterioration; NIHSS: National Institutes of Health Stroke Scale; ICA: Internal Carotid Artery; ASPECTS: Alberta Stroke Program Early CT score; tPA: tissue plasminogen activator; TICI: Thrombolysis in Cerebral Infarction; mRS: modified Rankin Scale score at 90 days follow-up

Table S2. Coinvestigators: German Stroke Registry Endovascular Treatment (GSR-ET)

Name	Location	Role	Contribution
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Prof. Dr. med. Jan Borggrefe	Johannes Wesling Klinikum Minden	Site Investigator	Coordination
Dr. med. Albrecht Bormann	Klinikum Altenburger Land	Site Investigator	Coordination
Dr. med. Michael Braun	Bezirkskrankenhaus Günzburg	Site Investigator	Coordination
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