Supplemental material

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Supplemental Table 1. Baseline characteristics stratified by the SEDAN risk score

Variables	SEDAN score (0-2)		P_1	SEDAN score (3-6)		P_2
	EVT alone (n=132)	IVT+EVT (n=142)		EVT alone (n=179)	IVT+EVT (n=174)	
Age (year)	67(55-72)	68(59-73)	0.15	74(65-79)	72(62-78)	0.22
Male, %	82(62.1)	84(59.2)	0.62	95(53.1)	93(53.5)	0.94
Weight, kg	66.0±10.8	64.5±11.4	0.19	66.1±12.2	64.7±11.5	0.33
Medical history						
Hypertension, %	66(50.0)	84(59.2)	0.13	115(64.3)	112(64.4)	0.98
Diabetes mellitus, %	14(10.6)	17(12.0)	0.72	39(21.8)	50(28.7)	0.13
Atrial fibrillation, %	54(40.9)	65(45.8)	0.42	93(52.0)	79(45.4)	0.22
Prior ischemic stroke, %	18(13.6)	18(12.7)	0.82	23(12.9)	27(15.5)	0.47
Smoking, %	34(25.8)	37(26.1)	0.96	36(20.1)	31(17.8)	0.58
Pre-stroke mRS≥1, %	15(11.4)	13(9.2)	0.44	11(6.2)	10(5.8)	0.60
Prior antiplatelet use, %	19(14.4)	20(14.1)	0.94	27(15.1)	31(17.8)	0.49
Baseline NIHSS score	15(10-20)	16(12-21)	0.33	18(14-23)	19(15-23)	0.49
Baseline glucose (mmol/L)	6.5±1.2	6.7±1.6	0.90	8.6±3.5	8.8±3.3	0.38
Onset to puncture (min)	199±57	203±59	0.68	202±61	213±59	0.08
Image variables						
Hyperdense artery sign, %	25(18.9)	26(18.3)	0.89	115(64.3)	113(64.9)	0.89
Early infarct sign, %	61(46.2)	62(43.7)	0.97	152(84.9)	148(85.1)	0.97
ASPECTS	10(8-10)	10(9-10)	0.38	8(6-9)	8(6-9)	0.27
Collateral score			0.61			0.80
0-1, %	102(77.3)	106(74.7)		141(78.8)	139(79.9)	
2-3, %	30(22.7)	36(25.4)		38(21.2)	35(20.1)	
Occlusion site			0.76			0.58
ICA, %	29(22.1)	33(23.6)		82(46.3)	76(43.7)	
M1, %	79(60.3)	87(62.1)		79(44.6)	85(48.9)	
M2, %	23(17.6)	20(14.3)		16(9.0)	12(6.9)	

SEDAN: blood Sugar, Early infarct signs and [hyper]Dense cerebral artery sign, Age, and NIHSS; EVT: endovascular thrombectomy; IVT: intravenous thrombolysis; mRS: modified Rankin Scale; NIHSS: National Institutes of Health Stroke Scale; ASPECTS: Alberta Stroke Program Early CT Score; ICA: internal carotid artery.

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Supplemental Table 2. Baseline characteristics stratified by the GRASPS risk score

Variables	GRASPS score (45-80)		P_1	GRASPS score (81-105)		P_2
	EVT alone (n=124)	IVT+EVT (n=114)		EVT alone (n=190)	IVT+EVT (n=205)	
Age (year)	63(52-69)	63(55-70)	0.40	74(67-79)	73(64-79)	0.28
Male, %	74(59.7)	61(53.5)	0.34	105(55.3)	119(58.1)	0.58
Weight, kg	66.6±11.0	65.4±10.4	0.41	65±11.9	64.2±12.0	0.17
Medical history						
Hypertension, %	57(46.0)	55(48.3)	0.73	124(65.3)	143(69.8)	0.34
Diabetes mellitus, %	15(12.1)	21(18.4)	0.17	38(20.0)	47(22.9)	0.48
Atrial fibrillation, %	49(39.5)	44(38.6)	0.88	99(52.1)	101(49.3)	0.57
Prior ischemic stroke, %	14(11.3)	12(10.5)	0.85	27(14.2)	33(16.1)	0.60
Smoking, %	33(26.6)	28(24.6)	0.72	38(20.0)	41(20.0)	1.00
Pre-stroke mRS≥1, %	13(10.5)	9(7.9)	0.44	13(6.8)	14(6.8)	0.97
Prior antiplatelet use, %	19(15.3)	11(9.7)	0.19	28(14.7)	42(20.5)	0.13
Baseline NIHSS score	12(10-15)	13(10-15)	0.47	19(16-23)	20(17-24)	0.35
Baseline glucose (mmol/L)	6.9±2.2	7.1±2.4	0.87	8.3±3.3	8.3±3.1	0.74
Onset to puncture (min)	202±58	205±62	0.93	200±60	211±58	0.07
Image variables						
Hyperdense artery sign, %	45(36.9)	44(38.9)	0.75	95(50.3)	95(46.8)	0.49
Early infarct sign, %	74(60.7)	75(66.4)	0.36	139(73.5)	135(66.5)	0.13
ASPECTS	9(7-10)	9(8-10)	0.80	8(6-10)	8(6-10)	0.62
Collateral score			0.32			0.45
0-1, %	92(74.2)	78(68.4)		152(80.0)	170(82.9)	
2-3, %	32(25.8)	36(31.6)		38(20.0)	35(17.1)	
Occlusion site			0.97			0.38
ICA, %	32(26.2)	31(27.4)		79(42.3)	79(38.9)	
M1, %	74(60.7)	68(60.2)		85(45.5)	105(51.7)	
M2, %	16(13.1)	14(12.4)		23(12.3)	18(8.9)	

GRASPS: Glucose, Race, Age, Sex, systolic blood Pressure, and Severity of stroke; EVT: endovascular thrombectomy; IVT: intravenous thrombolysis; mRS: modified Rankin Scale; NIHSS: National Institutes of Health Stroke Scale; ASPECTS: Alberta Stroke Program Early CT Score; ICA: internal carotid artery.

Supplemental Table 3. Primary, secondary and safety outcomes stratified by the SEDAN risk score (EVT alone versus IVT+EVT)

Outcome	SEDAN score (0-2)		Adjusted OR	SEDAN score (3-6)		Adjusted OR
	EVT alone	IVT+EVT		EVT alone	IVT+EVT	
Primary outcome						
Functional independence at 90 d (mRS 0-2), %	60(45.5)	71(50.0)	1.00(0.58-1.71)	50(28.1)	47(27.0)	1.14 (0.69-1.88)
Secondary outcomes						
Favorable functional outcome at 90 d (mRS 0-1), %	43(32.6)	50(35.2)	1.07(0.62-1.86)	31(17.4)	21(12.1)	1.54(0.83-2.86)
Successful reperfusion before EVT, %	2(1.5)	16(11.5)	**0.12(0.03-0.53)**	6(3.5)	6(3.5)	1.00(0.31-3.22)
Successful reperfusion after EVT, %	106(82.2)	119(86.2)	0.75(0.38-1.46)	136(78.6)	144(83.2)	0.65(0.37-1.13)
Safety outcomes						
Death, %	13(9.9)	17(12.0)	0.62(0.28-1.39)	46(25.8)	39(22.4)	1.10(0.65-1.85)
Symptomatic intracranial hemorrhage, %	3(2.3)	7(4.9)	0.46(0.12-1.83)	11(6.2)	13(7.5)	0.74(0.32-1.74)
Asymptomatic intracranial hemorrhage, %	40(30.3)	37(26.1)	1.13(0.65-1.96)	67(37.4)	79(45.4)	0.78(0.51-1.20)

SEDAN: blood Sugar, Early infarct signs and [hyper]Dense cerebral artery sign, Age, and National Institutes of Health Stroke Score; EVT: endovascular thrombectomy; IVT: intravenous thrombolysis; OR: odds ratio; mRS: modified Rankin Scale.

Supplemental Table 4. Primary, secondary and safety outcomes stratified by the GRASPS risk score (EVT alone versus IVT+EVT)

Outcome	GRASPS score (45-80)		Adjusted OR	GRASPS score (81-105)		Adjusted OR
	EVT alone	IVT+EVT		EVT alone	IVT+EVT	
Primary outcome						
Functional independence at 90 d (mRS 0-2), %	66(53.2)	62(54.4)	1.20(0.69-2.06)	46(24.3)	57(27.9)	0.88(0.54-1.43)
Secondary outcomes						
Favorable functional outcome at 90 d (mRS 0-1), %	44(35.5)	43(37.7)	1.06(0.61-1.84)	32(16.9)	29(14.2)	1.32(0.75-2.35)
Successful reperfusion before EVT, %	3(2.5)	10(8.9)	**0.25(0.06-1.00)**	5(2.8)	13(6.5)	0.43(0.15-1.26)
Successful reperfusion after EVT, %	97(80.2)	94(83.9)	0.63(0.32-1.26)	146(80.2)	171(85.1)	0.70(0.41-1.20)
Safety outcomes						
Death, %	12(9.7)	12(10.5)	0.76(0.32-1.82)	48(25.4)	45(22.1)	1.09(0.67-1.47)
Symptomatic intracranial hemorrhage, %	2(1.6)	5(4.4)	0.33(0.06-1.78)	12(6.3)	15(7.3)	0.85(0.38-1.88)
Asymptomatic intracranial hemorrhage, %	41(33.1)	36(31.6)	1.01(0.57-1.79)	67(35.3)	81(39.5)	0.88(0.58-1.33)

GRASPS: Glucose, Race, Age, Sex, systolic blood Pressure, and Severity of stroke; EVT: endovascular thrombectomy; IVT: intravenous thrombolysis; OR: odds ratio; mRS: modified Rankin Scale.

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