

## **SUPPPLEMENTAL MATERIAL**

**Supplemental Table I. Multivariable analysis of improved functional outcome (mRS) at 90 days.** ASPECTS, Alberta Stroke Program Early CT Score; intravenous alteplase; mRS, modified Rankin Scale; NIHSS, National Institutes of Health Stroke Scale; aOR, adjusted Odds Ratio.

Variables		aOR(95% CI)	P value	Log-likelihood	Nagelkerke’s R²	β
CTP ischemic core volume (per IQR [mL])		0.48 (0.33-0.69)	<0.001			-0.21
	Age (per year)	0.97 (0.95-0.99)	0.002			-0.03
	Male gender	1.71 (0.97-3.04)	0.07			0.54
	Onset-to-groin time (per minute)	1.00 (0.99-1.00)	0.10			-0.002
	NIHSS at baseline (per point)	0.96 (0.92-1.01)	0.14			-0.04
	Pre-stroke mRS	0.55 (0.42-0.71)	<0.001			-0.59
	IVT administration	0.81 (0.43-1.153)	0.52			-0.21
				-284.46	0.51	
ICV <sub>core</sub> (per IQR [%])		0.51 (0.39-0.69)	<0.001			-0.29
	Age (per year)	0.97 (0.95-0.99)	0.002			-0.03
	Male gender	1.63 (0.93-2.89)	0.09			0.49
	Onset-to-groin time (per minute)	1.00 (0.99-1.00)	0.10			-0.002
	NIHSS at baseline (per point)	0.96 (0.93-1.01)	0.14			-0.04
	Pre-stroke mRS	0.55 (0.42-0.71)	<0.001			-0.59
	IVT administration	0.81 (0.43-1.53)	0.52			-0.21
				-284.63	0.51	
TBV <sub>core</sub> (per IQR [%])		0.50 (0.38-0.67)	<0.001			-0.24
	Age (per year)	0.97 (0.95-0.99)	0.002			-0.03
	Male gender	1.65 (0.94-2.91)	0.09			0.50
	Onset-to-groin time (per minute)	1.00 (0.99-1.00)	0.09			-0.002
	NIHSS at baseline (per point)	0.96 (0.92-1.01)	0.14			-0.04
	Pre-stroke mRS	0.55 (0.42-0.72)	<0.001			-0.59
	IVT administration	0.81 (0.43-1.53)	0.52			-0.21
				-284.21	0.52	

**Supplemental Table II. Multivariable analysis of functional independence (mRS 0-2).** ASPECTS, Alberta Stroke Program Early CT Score; IVT, intravenous alteplase; mRS, modified Rankin Scale; NIHSS, National Institutes of Health Stroke Scale; aOR , adjusted Odds Ratio.

Variables		aOR(95% CI)	P value	Log-likelihood	Tjur’s R²	β
CTP ischemic core volume (per IQR [mL])		<b>0.34 (0.16-0.70)</b>	<b>0.001</b>			-0.30
	Age (per year)	<b>0.94 (0.91-0.97)</b>	<b>&lt;0.001</b>			-0.06
	Male gender	2.09 (0.94-4.75)	0.07			0.74
	Onset-to-groin time (per minute)	1.00 (1.00-1.00)	0.4			-0.001
	NIHSS at baseline (per point)	0.97 (0.90-1.04)	0.3			-0.04
	<b>Pre-stroke mRS</b>	<b>0.38 (0.22-0.60)</b>	<b>&lt;0.001</b>			-0.96
	IVT administration	0.84 (0.34-2.02)	0.7			-0.17
				-79.05	0.41	
ICV <sub>core</sub> (per IQR [%])		<b>0.36 (0.19-0.65)</b>	<b>0.002</b>			-0.41
	Age (per year)	<b>0.94 (0.91-0.97)</b>	<b>&lt;0.001</b>			-0.06
	Male gender	1.93 (0.87-4.34)	0.1			0.68
	Onset-to-groin time (per minute)	1.00 (1.00-1.00)	0.4			-0.001
	NIHSS at baseline (per point)	0.97 (0.90-1.04)	0.3			-0.04
	<b>Pre-stroke mRS</b>	<b>0.38 (0.22-0.60)</b>	<b>&lt;0.001</b>			-0.96
	IVT administration	0.84 (0.34-2.03)	0.7			-0.17
				-79.35	0.41	
TBV <sub>core</sub> (per IQR [%])		<b>0.35 (0.17-0.63)</b>	<b>0.002</b>			-0.34
	Age (per year)	<b>0.94 (0.91-0.97)</b>	<b>&lt;0.001</b>			-0.06
	Male gender	1.94 (0.87-4.36)	0.1			0.66
	Onset-to-groin time (per minute)	1.00 (1.00-1.00)	0.4			-0.001
	NIHSS at baseline (per point)	0.97 (0.90-1.04)	0.3			-0.03
	<b>Pre-stroke mRS</b>	<b>0.38 (0.22-0.60)</b>	<b>&lt;0.001</b>			-0.96
	IVT administration	0.84 (0.34-2.03)	0.7			-0.17
				-79.17	0.41	