



Article

Does the Addition of Non-Approved Inclusion and Exclusion Criteria for rtPA Impact Treatment Rates? Findings in Australia, the UK, and the USA

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Supplement Table A Key stroke service demographics

Hospital setting	AUS (N=63)	UK (N=93)	USA (N=229)
	n (%)		
Tertiary	29 (46)	49 (53)	66 (29)
Non-tertiary	30 (48)	43 (46)	152 (66)
Private	4 (6.4)	0	0
Not Reported	0	1 (1)	11 (5)
Stroke service			
Comprehensive	24 (38)	Not Collected	157 (69)
Primary	31 (49)	Not Collected	64 (28)
General hospital	8 (13)	Not Collected	3 (1)
Not Reported	0	Not Collected	5 (2)
Level of telemedicine use			
Always	2 (3.2)	6 (6.5)	Not Collected
Often	8 (13)	17 (18)	Not Collected
Sometimes	9 (14)	33 (35.5)	Not Collected
Never	43 (68)	36 (39)	Not Collected
Unknown	1 (1.6)	0	Not Collected
Not Reported	0	1 (1)	Not Collected
rt-PA protocol			
Yes	62 (98)	92 (99)	NA*
No	1 (1.6)	0 (0.0)	NA*
Not Reported	0	1 (1)	NA*

*rt-PA protocols were required to participate in the survey.

Supplement Table B Associations between service related factors and rtPA treatment rates

	AUS			UK			USA		
	Mean (SD)	p-value	n	Mean (SD)	p-value	n	Mean (SD)	p-value	N
Hospital Setting¹									
Non-Tertiary	7.62 (5.22)	0.120	31	11.52 (4.77)	0.046	36	7.94 (5.72)	0.005	135
Tertiary	9.95 (6.22)		29	13.69 (4.52)		41	10.97 (7.68)		48
Average door to needle time²									
<45mins	15.68 (9.21)	0.131	3	14.88 (6.18)	0.067	20	16.51 (7.35)	<0.001	7
46-59mins	9.79 (6.21)		9	13.99 (4.00)		18	10.75 (7.68)		24
≥60mins	8.85 (5.09)		37	11.90 (3.14)		28	8.07 (5.89)		151

¹ Independent Sample t-test, ² One-way ANOVA

Supplement Table C

Factors associated with the addition of non-standard criteria

Variables entered in regression model	AUS N=49		UK N=68		USA N=184	
	Coefficients	p-value	Coefficients	p-value	Coefficients	p-value
Hospital Setting	-0.29 (-2.84, 2.25)	0.817	-0.83 (-2.39,0.72)	0.287	-1.72(-3.25, -0.20)	0.03
Service	0.06 (-2.35, 2.48)	0.958	NA		-0.28(-1.68, 1.10)	0.684
Admission volume	-0.00 (-0.01, 0.01)	0.983	-0.01(-0.04,0.00)	0.434	0.00 (-0.00, 0.00)	0.187
Average door to needle time (46mins to 59mins)	-1.33(-5.52, 2.86)	0.525	1.13(-0.86,3.12)	0.262	2.51(-1.05, 6.07)	0.165
Average door to needle time (>60mins)	0.60 (-3.34-4.54)	0.760	1.19(-0.67,3.05)	0.207	3.57 (0.38 ,6.75)	0.023
Adherence to 3 hours	NA		NA		-2.44(-4.30, -0.60)	0.01