Supplemental Table IV. Predictive factors for recurrent ischemic stroke including low quality studies

Predictive factor	Study	Sample size, n	Variable definition	Factor prevalence	Follow-up duration	uv RR (95% CI)	mv HR (95% CI)
Clinical factors							
Strong level							
Prior stroke/TIA	Ay 2010	1458	-	8%	90 days	3.4 (2.1-5.6)	
I^2=0%	Bergström 2017	196,765	Prior ischemic stroke	15%	1 year		1.3 (1.2-1.4)
	Kim 2014	2378	Within last month	14%	90 days	2.6 (1.9-3.4)	
	Kuwashiro 2012	260	Prior ischemic stroke	24%	12 months	1.8 (1.1-3.1)	OR 2.0 (0.8-5.0)
	Soda 2004	713	Prior stroke/TIA	27%	12 months	2.3 (1.5-3.8)	
	Pooled					**2.5 (2.1-3.1)**	
Small vessel disease vs LAA	Ay 2010	1458	CCS	10%	90 days	0.1 (0.0-0.7)	
I^2=82%	Grau 2001	5017	TOAST	20%	7 days	0.4 (0.3-0.6)	
	Hankey 1998	250	Lacunar syndrome	10%	7 days	1.4 (0.6-3.4)	
	Nam 2017	959	TOAST	31%	31 months	0.1 (0.0-0.3)	
	Kim 2014	2378	CCS	12%	90 days	0.3 (0.1-0.9)	
	Kuwashiro 2012	260	TOAST	31%	12 months	0.5 (0.3-1.0)	
	Omori 2015	991	Clinical subtype	32%	704 days	1.3 (0.9-1.7)	
	Soda 2004	745	NINDS	26%	12 months	0.8 (0.4-1.7)	
	Suanprasert 2011	234	TOAST	61%	13 months	1.0 (0.7-1.6)	
	Pooled					**0.6 (0.3-0.9)**	
Moderate level							
Undetermined cause vs LAA	Ay 2010	1458	CCS	36%	90 days	0.4 (0.2-0.7)	
I^2=65%	Grau 2001	5017	TOAST	23%	7 days	0.4 (0.3-0.6)	
	Kim 2014	2378	CCS	12%	90 days	0.2 (0.1-0.5)	
	Soda 2004	745	NINDS: Uncertain cause	22%	12 months	1.1 (0.5-2.2)	
	Pooled					**0.5 (0.3-0.8)**	
Imaging factors (MRI)							
Moderate level							
Multiple lesions	Ay 2010	1458	Hyperintense on DWI and hypointense on ADC maps	40%	90 days	1.8 (1.5-2.1)	
I^2=0%	Nam 2017	959	On DWI	39%	31 months	1.6 (1.3-2.0)	
	Pooled					**1.7 (1.5-2.0)**	
Multiple stage lesions	Ay 2010	1458	Multiple infarcts of different ages on ADC/FLAIR	11%	90 days	3.5 (2.4-5.2)	
I^2=16%	Nam 2017	959	On DWI	11%	31 months	4.7 (3.3-6.7)	6.0 (3.5-10.1)
	Pooled					**4.1 (3.1-5.5)**	
Multiple territory lesions	Ay 2010	1458	(sub)acute in right and left anterior circulations or in anterior and posterior	10%	90 days	2.7 (1.7-4.4)	
I^2=0%	Nam 2017	959	On DWI	6%	31 months	3.2 (1.8-5.8)	
	Pooled					**2.9 (2.0-4.2)**	
Chronic infarcts	Ay 2010	1458	Hyperintense on FLAIR and hypo-/isointense on DWI	30%	90 days	1.4 (1.1-2.0)	
I^2=0%	Kim 2014	2378	On MRI	15%	90 days	1.6 (1.1-2.3)	1.4 (0.9-2.3)
	Pooled					**1.5 (1.2-1.9)**	
Isolated cortical lesion	Ay 2010	1458	-	9%	90 days	2.2 (1.3-3.8)	
I^2=0%	Nam 2017	959	On DWI	9%	31 months	2.1 (1.2-3.8)	2.5 (1.3-5.0)
	Pooled					**2.2 (1.5-3.2)**	
Limited level							
White matter lesions	Kim 2014	2378	FLAIR: Fazekas <2 vs ≥2	44%	90 days	1.2 (1.0-1.5)	1.5 (1.0-2.3)
I^2=89%	Nam 2017	959	FLAIR: Fazekas ≤2 vs >2	25%	31 months	2.0 (1.5-2.7)	1.9 (1.1-3.4)
	Pooled					**1.5 (0.9-2.6)**	

uv.: univariable, RR: risk ratio, CI: confidence interval, mv.: multivariable, HR: hazard ratio, TIA: transient ischemic attack, OR: odds ratio, LAA: large artery atherosclerosis, CCS: Causative Classification System for Ischemic Stroke, TOAST: Trial of ORG 10172 in Acute Stroke Treatment, NINDS: National Institute of Neurological Diseases and Stroke, MRI: magnetic resonance imaging, DWI: diffusion weighted imaging, ADC: apparent diffusion coefficient, FLAIR: fluid attenuation inversion recovery.