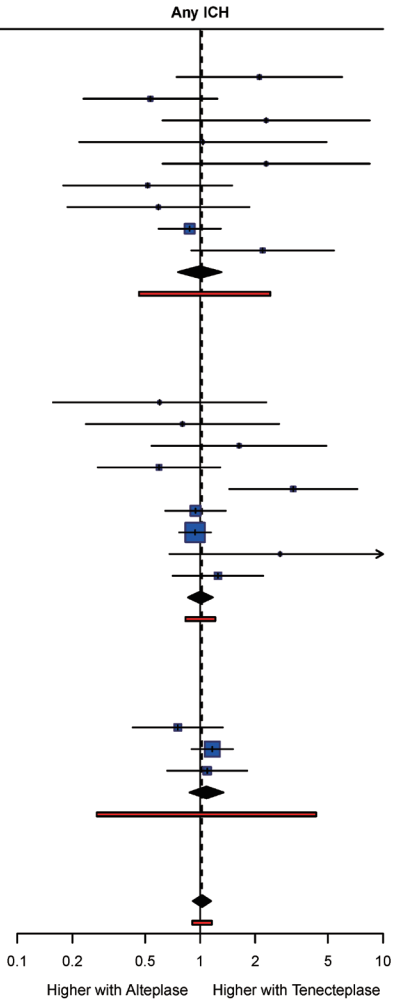
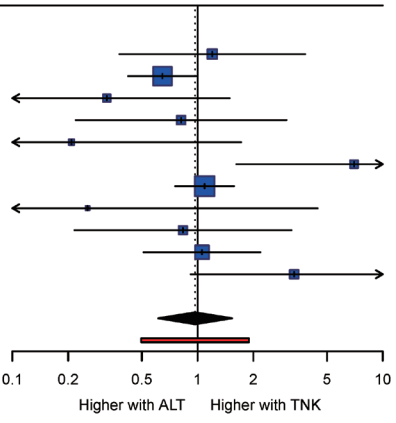
Study or Subgroup	Tenecteplase Events	Tenecteplase Total	Alteplase Events	Alteplase Total	Weight	RR [95% CI]
Asian						
Dhar et als. Ann Indian Acad Neurol. 2022.	7	57	6	103	1.2%	2.11 [0.74; 5.97]
George et al. J Clin Neurosci. 2021.	9	61	8	29	1.8%	0.53 [0.23; 1.24]
Li et al. Stroke Vasc Neurol. 2022. (0.1mg/kg)	7	60	3	59	0.8%	2.29 [0.62; 8.45]
Li et al. Stroke Vasc Neurol. 2022. (0.25mg/kg)	3	57	3	59	0.5%	1.04 [0.22; 4.92]
Li et al. Stroke Vasc Neurol. 2022. (0.32mg/kg)	7	60	3	59	0.8%	2.29 [0.62; 8.45]
Mohan et al. Ann Indian Acad Neurol. 2023.	4	57	14	103	1.2%	0.52 [0.18; 1.49]
Sundar et al. Neurol Asia. 2019.	4	55	8	65	1.0%	0.59 [0.19; 1.86]
Wang et al. Lancet. 2023.	44	710	50	707	8.5%	0.88 [0.59; 1.30]
Zhao et al. Front Neurol. 2023.	8	26	7	50	1.6%	2.20 [0.90; 5.39]
Total (95% CI)		**1143**		**1234**	**17.5%**	**0.99 [0.76; 1.31]**
Prediction interval						**[0.46; 2.42]**
Heterogeneity: $Tau^2 = 0.0863$; $Chi^2 = 12.9$, df = 8 (P = 0.12); $I^2 = 38\%$						
Test for overall effect: Z = −0.04 (P = 0.97)						
Caucasian						
Haley et al. Stroke. 2010. (0.1mg/kg)	3	31	5	31	0.7%	0.60 [0.16; 2.30]
Haley et al. Stroke. 2010. (0.25mg/kg)	4	31	5	31	0.9%	0.80 [0.24; 2.70]
Haley et al. Stroke. 2010. (0.4mg/kg)	5	19	5	31	1.1%	1.63 [0.54; 4.90]
Huang et al. Lancet Neurol. 2015.	8	47	14	49	2.2%	0.60 [0.28; 1.29]
Kvistad et al. Lancet Neurol. 2022.	21	91	7	98	2.0%	3.23 [1.44; 7.24]
Logallo et al. Lancet Neurol. 2017.	47	549	50	551	9.1%	0.94 [0.65; 1.38]
Menon et al. Lancet. 2022.	154	806	157	771	33.0%	0.94 [0.77; 1.15]
Psychogios et al. Thera Adv Neurol Disord. 2021.	4	19	3	39	0.7%	2.74 [0.68; 11.02]
Sjogren et al. IBRO Neurosci Rep. 2023.	22	168	20	191	4.0%	1.25 [0.71; 2.21]
Total (95% CI)		**1761**		**1792**	**53.7%**	**1.00 [0.86; 1.17]**
Prediction interval						**[0.83; 1.21]**
Heterogeneity: $Tau^2 = < 0.0001$; $Chi^2 = 14.39$, df = 8 (P = 0.07); $I^2 = 44\%$						
Test for overall effect: Z = 0.03 (P = 0.97)						
Mixed						
Hall et al. Stroke. 2021.	14	53	21	60	4.1%	0.75 [0.43; 1.33]
Murphy et al. Ann Emerg Med. 2023.	120	3432	103	3432	19.5%	1.17 [0.90; 1.51]
Walton et al. Ann Pharmacother. 2023.	20	116	35	222	5.2%	1.09 [0.66; 1.81]
Total (95% CI)		**3601**		**3714**	**28.8%**	**1.08 [0.88; 1.34]**
Prediction interval						**[0.27; 4.31]**
Heterogeneity: $Tau^2 = 0$; $Chi^2 = 1.87$, df = 2 (P = 0.39); $I^2 = 0\%$						
Test for overall effect: Z = 0.73 (P = 0.46)						
Total (95% CI)		**6505**		**6740**	**100.0%**	**1.02 [0.91; 1.15]**
Prediction interval						**[0.91; 1.16]**
Heterogeneity: $Tau^2 < 0.0001$; $Chi^2 = 29.53$, df = 20 (P = 0.08); $I^2 = 32\%$						
Test for overall effect: Z = 0.40 (P = 0.69)						
Test for subgroup differences: $Chi^2 = 0.38$, df = 2 (P = 0.83)						



Supplementary Figure 5. Forest plot for any ICH. RR, risk ratio; CI, confidence interval; ICH, intracranial hemorrhage.

Study	TNK Events	TNK Total	ALT Events	ALT Total	Weight	RR [95% CI]
Bivard et al. Lancet Neurol. 2022.	0	55	0	49	0.0%	
Campbell et al. N Engl J Med. 2018.	6	101	5	101	6.6%	1.20 [0.38; 3.81]
Gerschenfeld et al. Eur Stroke J. 2022.	32	408	47	387	24.7%	0.65 [0.42; 0.99]
Hall et al. Stroke. 2021.	2	53	7	60	4.0%	0.32 [0.07; 1.49]
Hendrix et al. J Neurointerv Surg. 2022.	3	51	7	97	5.3%	0.82 [0.22; 3.02]
Huang et al. Lancet Neurol. 2015.	1	47	5	49	2.2%	0.21 [0.03; 1.72]
Kvistad et al. Lancet Neurol. 2022.	13	91	2	98	4.3%	7.00 [1.62; 30.17]
Menon et al. Lancet. 2022.	57	806	50	771	27.9%	1.09 [0.76; 1.57]
Parsons et al. Neurology. 2009.	0	15	4	35	1.2%	0.25 [0.01; 4.44]
Parsons et al. N Engl J Med. 2012. (0.1 mg/kg)	5	50	3	25	5.0%	0.83 [0.22; 3.21]
Sjogren et al. IBRO Neurosci Rep. 2023.	13	168	14	191	13.5%	1.06 [0.51; 2.18]
Wang et al. Lancet. 2023.	10	710	3	707	5.4%	3.32 [0.92; 12.01]
Total (95% CI)		**2555**		**2570**	**100.0%**	**0.97 [0.61; 1.53]**
Prediction interval						**[0.50; 1.89]**
Heterogeneity: $Tau^2 = 0.0609$; $Chi^2 = 19.53$, df = 10 (P = 0.03); $I^2 = 49\%$						
Test for overall effect: $t_{10} = -0.15$ (P = 0.88)						



Supplementary Figure 6. Forest plot for parenchymal hemorrhage. TNK, tenecteplase; ALT, alteplase; RR, risk ratio; CI, confidence interval.