

## *Supplementary Material*

# Triglyceride-Glucose Index Predicts 3-Month Death after Acute Ischemic Stroke in Patients of Different Ages

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### Supplementary Table

**Supplementary Table 1. Logistic regression subgroup analysis for the association between TGI as a categorical variable and 3-month death**

Complications	OR (95%CI), P-value			P for interaction
	T1	T2	T3	
<b>Age</b>				<b>0.021</b>
Younger patients	1	2.65 (1.04, 6.72), 0.041	2.96 (1.16, 7.58), 0.024	
Older patients	1	0.94 (0.59, 1.50), 0.805	1.7 (0.79, 2.03), 0.323	
<b>Stroke severity</b>				<b>0.715</b>
Mild	1	1.00 (0.57, 1.76), 0.990	1.42 (0.82, 2.46), 0.211	
Severe	1	1.36 (0.74, 2.50), 0.317	1.45 (0.78, 2.73), 0.242	
<b>Sex</b>				<b>0.099</b>
Male	1	0.79 (0.43,1.45), 0.446	1.84(1.05, 3.22), 0.033	

Female	1	1.30(0.73, 2.34), 0.373	1.75(0.97, 3.15), 0.064	
<b>Atrial fibrillation</b>				0.783
Yes	1	1.26 (0.55,2.90), 0.584	2.10 (0.90,4.88), 0.084	
No	1	1.23(0.77, 1.98), 0.389	1.39(0.86, 2.25), 0.177	
<b>Rheumatic heart disease</b>				0.817
Yes	1	1.38(0.43,4.47), 0.590	1.21(0.29,5.12), 0.797	
No	1	1.14(0.74,1.76), 0.559	1.51(0.98,2.33), 0.060	
<b>Coronary heart disease</b>				0.899
Yes	1	2.62(0.55,12.44), 0.224	3.37(0.70,16.13), 0.129	
No	1	1.16(0.76,1.78), 0.487	1.40(0.91,2.16), 0.131	
<b>Diabetes</b>				0.559
Yes	1	1.21(0.40,3.62), 0.733	0.97(0.33,2.81), 0.954	
No	1	1.08(0.69,1.69), 0.731	1.55(0.96,2.50), 0.071	
<b>Hypertension</b>				0.610
Yes	1	1.17(0.68,2.02), 0.573	1.36(0.79,2.33), 0.272	

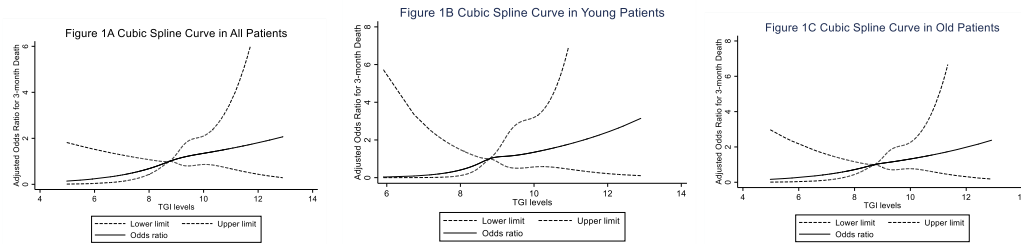
No	1	1.17(0.63,2.18), 0.624	1.78(0.92,3.45), 0.089	
<b>Cardioembolic stroke</b>				0.384
Yes	1	1.36(0.14,13.21), 0.791	4.67(0.51,42.57), 0.171	
No	1	1.11(0.74,1.68), 0.616	1.35(0.87,2.09), 0.181	
<b>Lipid lowering therapy</b>				0.317
Yes	1	0.94(0.56,1.58), 0.818	1.47(0.90,2.39), 0.126	
No	1	1.65(0.82,3.34), 0.159	1.74(0.81,3.75), 0.154	
<b>Antidiabetic drugs</b>				0.593
Yes	1	1.13(0.46,2.76), 0.796	1.09(0.46, 2.62), 0.839	
No	1	1.14(0.72,1.81), 0.570	1.73(1.07, 2.80), 0.025	
<b>Cancer</b>				0.387
Yes	1	14.35 (0.61, 339.06) 0.099	151.79(1.93, 11949.1) <b>0.024</b>	
No	1	1.19 (0.78, 1.80) 0.425	1.24 (0.90, 1.91) 0.344	

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Adjusted for age, sex, baseline NIHSS, the time from stroke onset to admission, atrial fibrillation, rheumatic heart disease, coronary heart disease, drinking, smoking, TOAST, hemoglobin, creatinine, HDL, antiplatelet therapy.

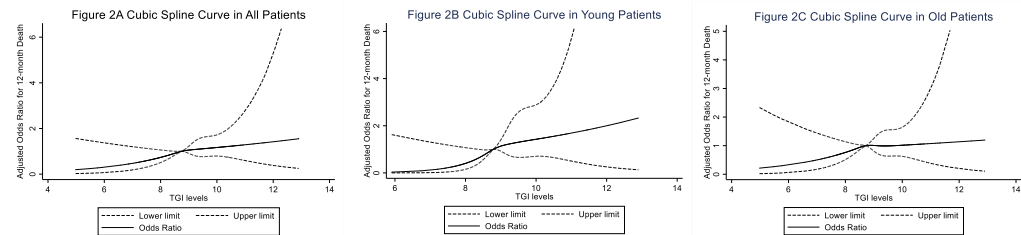
## Supplementary Figures

**Supplementary Figure 1. Cubic spline curve for the association between TGI levels and adjusted odds ratio for 3-month death in all patients (Supplementary Figure 1A), young patients (Supplementary Figure 1B), and old patients (Supplementary Figure 1C).**



Logistic regression analyses with adjustment for age, sex, baseline NIHSS, the time from stroke onset to admission, atrial fibrillation, rheumatic heart disease, coronary heart disease, drinking, smoking, TOAST, hemoglobin, creatinine, HDL, antiplatelet therapy.

**Supplementary Figure 2. Cubic spline curve for the association between TGI levels and adjusted odds ratio for 12-month death in all patients (Supplementary Figure 2A), young patients (Supplementary Figure 2B), and old patients (Supplementary Figure 2C).**



Logistic regression analyses with adjustment for age, sex, baseline NIHSS, the time from stroke onset to admission, atrial fibrillation, rheumatic heart disease, coronary heart disease, drinking, smoking, TOAST, hemoglobin, creatinine, HDL, antiplatelet therapy.