

Supplementary Table 1: Full Multivariable Model

Variable	OR (95% CI)	p-value
TyG	3.85 (1.50-9.90)	0.005
Age	1.05 (0.99-1.11)	0.100
Sex	1.20 (0.45-3.20)	0.720
Duration_DM	1.04 (0.98-1.10)	0.200
Insulin_use	2.50 (0.80-7.80)	0.115
HbA1c	1.10 (0.95-1.27)	0.206
Total_Chol	1.02 (1.00-1.04)	0.050
HDL	0.93 (0.85-1.01)	0.090
BMI	1.02 (0.95-1.09)	0.610
SBP	1.01 (0.98-1.04)	0.500
DBP	0.99 (0.96-1.02)	0.550

Supplementary Table 2: VIF for Full and Parsimonious Models

Variable	VIF Full	VIF Parsimonious
const	1.00	1.00
TyG	2.50	1.80
Age	1.30	1.20

Sex	1.10	-
Duration_DM	1.40	-
Insulin_use	1.20	-
HbA1c	1.60	-
Total_Chol	1.50	1.40
HDL	1.40	1.30
BMI	1.20	-
SBP	1.30	-
DBP	1.30	-

Supplementary Table 3: VIF when Including FBS and TG

Variable	VIF
const	1.00
TyG	12.5
Age	1.30
Sex	1.10
Duration_DM	1.40
Insulin_use	1.20
HbA1c	1.60
Total_Chol	1.50

HDL	1.40
BMI	1.20
SBP	1.30
DBP	1.30
FBS	10.5
TG	11.0

Supplementary Table 4: Sensitivity Analysis Excluding Insulin Users

Variable	Adjusted OR (95% CI)	p-value
TyG (per SD increase)	4.35 (1.40-13.5)	0.011
Age	1.06 (0.97-1.15)	0.206
Total_Chol	1.03 (1.00-1.05)	0.046
HDL	0.88 (0.78-1.00)	0.050

Supplementary Table 5: Sensitivity Analysis Excluding Outliers

Variable	Adjusted OR (95% CI)	p-value
TyG (per SD increase)	3.80 (1.60-9.00)	0.002
Age	1.06 (1.00-1.12)	0.050
Total_Chol	1.02 (1.00-1.04)	0.040
HDL	0.92 (0.84-1.00)	0.050

Supplementary Table 6: Stratified by Diabetes Duration

<5 Years (n=28, events=8)

Variable	Adjusted OR (95% CI)	p-value
TyG (per SD increase)	2.50 (0.90-7.00)	0.080
Age	1.04 (0.95-1.14)	0.400
Total_Chol	1.01 (0.98-1.04)	0.500
HDL	0.95 (0.85-1.05)	0.300

≥5 Years (n=55, events=32)

Variable	Adjusted OR (95% CI)	p-value
TyG (per SD increase)	5.20 (1.80-15.0)	0.002
Age	1.08 (1.00-1.16)	0.050
Total_Chol	1.03 (1.00-1.06)	0.030
HDL	0.90 (0.81-1.00)	0.040

Supplementary Table 7: Sex-Stratified Analysis

Males (n=42, events=19)

Variable	Adjusted OR (95% CI)	p-value
TyG (per SD increase)	3.80 (1.20-12.0)	0.023
Age	1.05 (0.97-1.14)	0.200
Total_Chol	1.02 (0.99-1.05)	0.200

HDL	0.93 (0.83-1.04)	0.200
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Females (n=41, events=21)

Variable	Adjusted OR (95% CI)	p-value
TyG (per SD increase)	4.50 (1.30-15.5)	0.017
Age	1.09 (1.00-1.19)	0.050
Total_Chol	1.02 (0.99-1.05)	0.200
HDL	0.89 (0.79-1.00)	0.050