

Supplementary Table 1 Lipid index tertiles and delivery risk of large-for-gestational-age infants in gestational diabetes mellitus women.

Variables	Crude model OR (95% CI)	<i>P</i>	Model 1, Adjusted OR (95% CI)	<i>P</i>	Model 2, Adjusted OR (95% CI)	<i>P</i>
TG level						
Tertile 1: ≤1.810	Reference		Reference		Reference	
Tertile 2: 1.811-2.430	1.346 (1.124-1.612)	0.001	1.293 (1.042-1.603)	0.019	1.281 (1.028-1.596)	0.027
Tertile 3: ≥2.431	1.879 (1.580-2.235)	<0.001	1.489 (1.205-1.839)	<0.001	1.462 (1.166-1.833)	0.001
<i>P</i> for trend	<0.001		<0.001		0.001	
HDL-C level						
Tertile 1: ≤2.120	Reference		Reference		Reference	
Tertile 2: 2.121-2.490	0.810 (0.688-0.955)	0.012	0.881 (0.724-1.072)	0.206	0.904 (0.741-1.103)	0.320
Tertile 3: ≥2.491	0.632 (0.532-0.751)	<0.001	0.749 (0.608-0.924)	0.007	0.800 (0.645-0.992)	0.042
<i>P</i> for trend	<0.001		0.007		0.043	
TG/HDL-C ratio						
Tertile 1: ≤0.750	Reference		Reference		Reference	
Tertile 2: 0.751-1.104	1.401 (1.169-1.679)	<0.001	1.308 (1.055-1.623)	0.014	1.271 (1.022-1.582)	0.031

Tertile 3: ≥ 1.105	1.906 (1.602-2.269)	<0.001	1.436 (1.160-1.778)	<0.001	1.359 (1.086-1.700)	0.007
<i>P</i> for trend	<0.001		0.001		0.009	
TC/HDL-C ratio						
Tertile 1: ≤ 2.398	Reference		Reference		Reference	
Tertile 2: 2.399-2.781	1.304 (1.094-1.554)	0.003	1.292 (1.046-1.595)	0.017	1.304 (1.053-1.615)	0.015
Tertile 3: ≥ 2.782	1.476 (1.243-1.754)	<0.001	1.388 (1.128-1.708)	0.002	1.370 (1.107-1.697)	0.004
<i>P</i> for trend	<0.001		0.002		0.005	
TyG index						
Tertile 1: ≤ 8.804	Reference		Reference		Reference	
Tertile 2: 8.805-9.114	1.357 (1.132-1.626)	<0.001	1.269 (1.022-1.576)	0.031	1.250 (1.002-1.559)	0.048
Tertile 3: ≥ 9.115	1.912 (1.607-2.274)	<0.001	1.489 (1.204-1.843)	<0.001	1.445 (1.151-1.815)	0.002
<i>P</i> for trend	<0.001		<0.001		0.002	

TG, triglyceride; HDL-C, high-density lipoprotein cholesterol; TC, total cholesterol; TyG, triglyceride-glucose index.

Supplementary Table 2 Receiver operating characteristic curve analysis: predicting large-for-gestational-age infants delivery risk in gestational diabetes mellitus pregnancies.

Variables	AUC (95% CI)	Threshold	Sensitivity	Specificity	PPV	NPV	Accuracy	Youden's index	P value
TG level	0.575 (0.556-0.595)	2.205	0.538	0.578	0.216	0.853	0.571	0.116	<0.001
HDL-C level	0.557 (0.537-0.577)	2.305	0.567	0.517	0.202	0.847	0.526	0.083	<0.001
TG/HDL-C ratio	0.584 (0.564-0.603)	0.851	0.664	0.463	0.211	0.865	0.499	0.127	<0.001
TC/HDL-C ratio	0.547 (0.527-0.567)	2.594	0.555	0.527	0.202	0.846	0.532	0.082	<0.001
TyG index	0.580 (0.561-0.600)	9.063	0.483	0.637	0.223	0.851	0.610	0.120	<0.001
Composite	0.591 (0.571-0.610)	0.180	0.607	0.539	0.221	0.864	0.551	0.146	<0.001
Composite+Pre-BMI+GWG	0.655 (0.636-0.673)	0.171	0.636	0.590	0.251	0.883	0.599	0.227	<0.001

AUC, area under the curve; TG, triglyceride; HDL-C, high-density lipoprotein cholesterol; TC, total cholesterol; TyG, triglyceride-glucose index; pre-BMI, prepregnancy body mass index; GWG, gestational weight gain.

Supplementary Table 3 Delong analysis of lipid indices in terms of area under the curve.

Variables	TG		HDL-C		TG/HDL-C		TC/HDL-C		TyG		Composite		Composite+ Pre-BMI+GWG	
	z value	P value	z value	P value	z value	P value	z value	P value	z value	P value	z value	P value	z value	P value
TG	-	-	1.576	0.115	-1.912	0.056	2.635	0.008	-2.810	0.005	-2.818	0.005	-7.707	<0.001
HDL-C	1.576	0.115	-	-	-3.268	0.001	1.085	0.278	-2.018	0.044	-3.861	<0.001	-8.445	<0.001
TG/HDL-C	-1.912	0.056	-3.268	0.001	-	-	3.921	<0.001	0.733	0.464	-1.910	0.056	-7.164	<0.001
TC/HDL-C	2.635	0.008	1.085	0.278	3.921	<0.001	-	-	-3.105	0.002	-4.155	<0.001	-8.749	<0.001
TyG	-2.810	0.005	-2.018	0.044	0.733	0.464	-3.105	0.002	-	-	-2.287	0.022	-7.455	<0.001
Composite	-2.818	0.005	-3.861	<0.001	-1.910	0.056	-4.155	<0.001	-2.287	0.022	-	-	-6.787	<0.001
Composite +Pre-BMI +GWG	-7.707	<0.001	-8.445	<0.001	-7.164	<0.001	-8.749	<0.001	-7.455	<0.001	-6.787	<0.001	-	-

TG, triglycerides; HDL-C, high-density lipoprotein cholesterol; TC, total cholesterol; TyG, triglyceride-glucose index; pre-BMI, pre-pregnancy body mass index; GWG, gestational weight gain.

Figure S1 Subgroup analysis of lipid indices with respect to large-for-gestational-age infants risk stratified by gestational weight gain. TG, triglyceride; HDL-C, high-density lipoprotein cholesterol; TC, total cholesterol; TyG, triglyceride/glucose index.

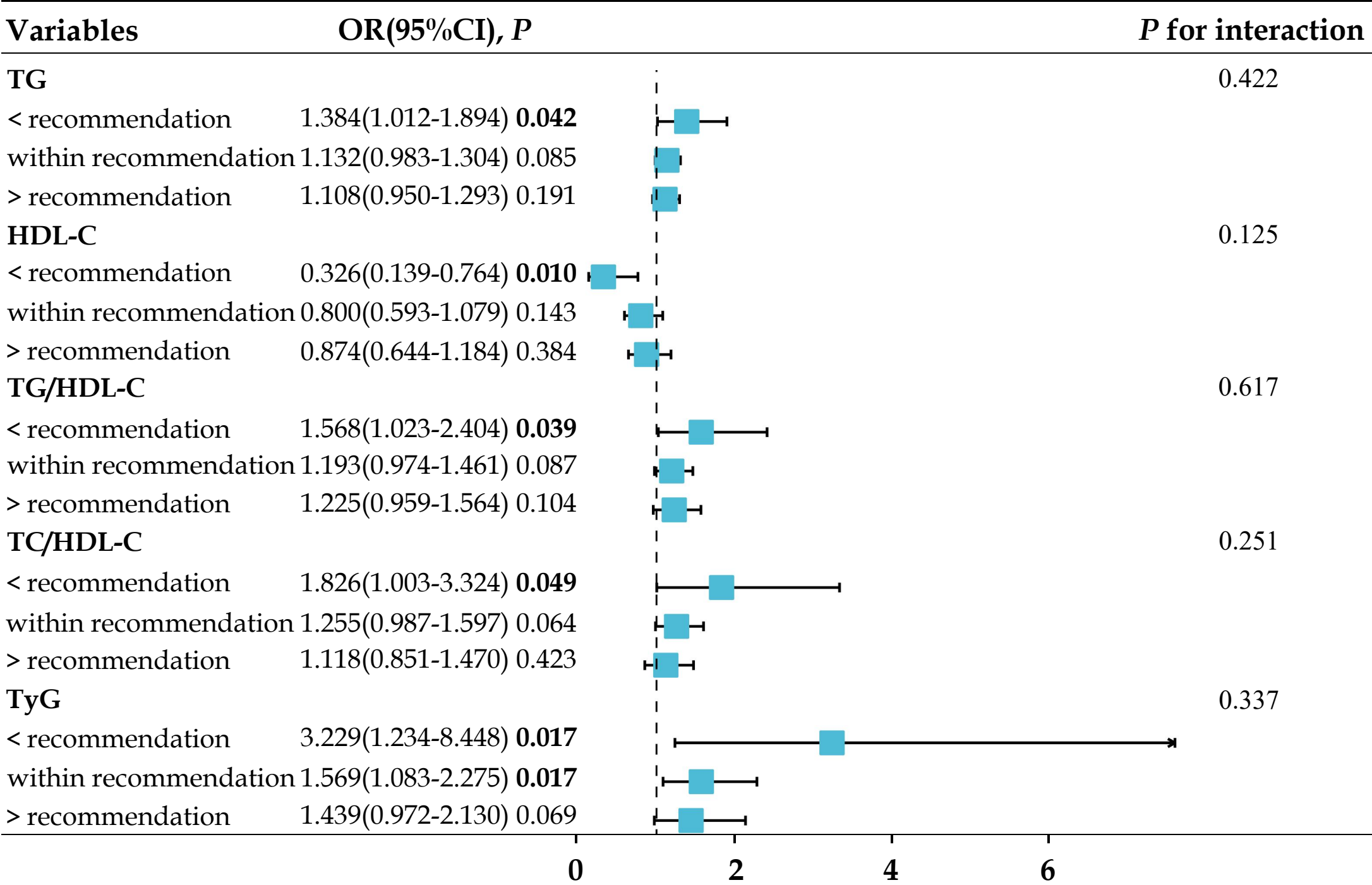


Figure S1