**Supplementary Table 1. Univariate Spearman correlation coefficients of TBA and metabolic risk factors**

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| --- | --- | --- |
| Variables | TBA | |
|  | r | *P* |
| Age | 0.162 | 0.006 |
| BMI | 0.220 | 0.001 |
| TBil (μmol/L) | 0.017 | 0.171 |
| DBil (μmol/L) | 0.025 | 0.084 |
| IBil (μmol/L) | 0.005 | 0.389 |
| BUN (mmol/L) | 0.110 | ＜0.001 |
| CRE (μmol/L) | 0.075 | ＜0.001 |
| UA (μmol/L) | 0.005 | 0.387 |
| ALT (U/L) | 0.201 | ＜0.001 |
| AST (U/L) | 0.191 | ＜0.001 |
| TC (mmol/L) | 0.017 | 0.172 |
| TG (mmol/L) | 0.021 | 0.024 |
| HDL-C (mmol/L) | -0.013 | 0.233 |
| LDL-C (mmol/L) | 0.024 | 0.089 |
| Glucose 0 h (mmol/L) | 0.191 | 0.004 |
| Glucose 1 h (mmol/L) | 0.188 | 0.005 |
| Glucose 2 h (mmol/L) | 0.109 | 0.003 |
| HbA1c | 0.280 | 0.006 |
| HOMA-IR | 0.340 | 0.030 |

*GDM, gestational diabetes mellitus; BMI, body mass index; SBP, systolic blood pressure; DBP, diastolic blood pressure; TBA, total bile acid; TBil, total bilirubin; DBil, direct bilirubin; IBil, indirect bilirubin; BUN, blood urea nitrogen; Cr, creatinine; UA, uric acid; ALT, alanine aminotransferase; AST, aspartate aminotransferase; TC, total cholesterol; TG, total triglycerides; HDL-C, high-density lipoprotein cholesterol; LDL-C, low-density lipoprotein cholesterol; HbA1c, glycosylated hemoglobin; HOMA-IR, homeostasis model assessment of insulin resistance index. Data represent means±SD or percentage (%).\*P <0.05.*