

Table 3. Multiple linear regression results after adjusting for potential confounders (maternal age, ethnicity, socioeconomic status, family history of diabetes, smoking and drinking habits, and maternal BMI). Model 1: association between fasting glucose level and IGF-1; Model 2: association between fasting glucose level and IGFBP-1. Fasting glucose was the dependent variable. Socioeconomic status was represented by socioeconomic index. Categorical variables were coded by dummy variables (ethnicity: Caucasian = 1/non-Caucasian = 0; family history of diabetes: yes = 1/no = 0; smoking and drinking habits: yes = 1/no = 0)

| Variables | Coefficient Beta | Std. Error | t | P value |
|----------------------------|------------------|------------|--------|---------|
| Model 1 ($R^2 = 0.718$) | | | | |
| Maternal age | -0.017 | 0.026 | -0.654 | 0.521 |
| Ethnicity | -0.659 | 0.354 | -1.860 | 0.078 |
| Socioeconomic status | 0.010 | 0.008 | 1.338 | 0.197 |
| Family history of diabetes | 0.152 | 0.355 | 0.428 | 0.673 |
| Smoking | 1.029 | 0.408 | 2.524 | 0.021 |
| Drinking | 0.481 | 0.570 | 0.844 | 0.409 |
| Maternal BMI | 0.101 | 0.024 | 4.203 | <0.001 |
| IGF-1 | 0.003 | 0.002 | 1.452 | 0.163 |
| Model 2 ($R^2 = 0.688$) | | | | |
| Maternal age | -0.012 | 0.027 | -0.452 | 0.657 |
| Ethnicity | -0.773 | 0.364 | -2.122 | 0.047 |
| Socioeconomic status | 0.009 | 0.008 | 1.120 | 0.277 |
| Family history of diabetes | -0.047 | 0.354 | -0.132 | 0.897 |
| Smoking | 1.052 | 0.439 | 2.398 | 0.027 |
| Drinking | 0.337 | 0.594 | 0.567 | 0.578 |
| Maternal BMI | 0.107 | 0.032 | 3.384 | 0.003 |
| IGFBP-1 | -0.003 | 0.011 | -0.266 | 0.793 |