ONLINE SUPPLEMENTARY DATA

Table S3. MS markers in female offspring dependent on their mothers’ dietary GI in 2nd trimester. Shown are the mean differences in the outcome variables waist circumference and systolic and diastolic blood pressure (indicated by \*) and mean ratio for all other log transformed outcome variables. The table includes figures from analyses of quintiles of GI, and from analyses of the data using GI as continuous variable (ratio or difference per 10U GI increment)1.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  | Ratio or difference\* (95% CI) |
|  |  | GI quintile 1  | GI quintile 2 | GI quintile 3  | GI quintile 4 | GI quintile 5  | GI continuous | p-value |
|  | Mean ± SD | 60.8 + 3.6 | 67.4 + 1.3 | 71.1 + 1.0 | 74.5 + 1.1 | 80.0 + 2.7 | 70.4 + 6.7 |  |
| Fasting glucose | Unadjusted | 1 | 0.98 (0.95, 1.01) | 1.01 (0.98, 1.04) | 1.02 (0.99, 1.05) | 0.99 (0.96, 1.02) | 1.00 (0.99, 1.02) | 0.88 |
|  | Adjusted | 1 | 0.98 (0.95, 1.02) | 1.01 (0.98, 1.05) | 1.02 (0.99, 1.06) | 0.99 (0.96, 1.03) | 1.00 (0.99, 1.02) | 0.76 |
| Triglycerides | Unadjusted | 1 | 1.09 (0.92, 1.28) | 1.09 (0.93, 1.29) | 1.17 (0.99, 1.39) | 1.03 (0.86, 1.22) | 1.03 (0.95, 1.12) | 0.47 |
|  | Adjusted | 1 | 1.07 (0.91, 1.26) | 1.08 (0.92, 1.28) | 1.21 (1.01, 1.45) | 1.02 (0.85, 1.22) | 1.04 (0.95, 1.13) | 0.37 |
| HDL cholesterol | Unadjusted | 1 | 1.05 (0.97, 1.13) | 1.02 (0.94, 1.10) | 1.05 (0.96, 1.14) | 1.04 (0.96, 1.13) | 1.03 (0.99, 1.08) | 0.11 |
|  | Adjusted | 1 | 1.05 (0.97, 1.14) | 1.02 (0.94, 1.11) | 1.07 (0.98, 1.17) | 1.05 (0.96, 1.15) | 1.04 (1.00, 1.09) | 0.06 |
| LDL cholesterol | Unadjusted | 1 | 1.10 (0.98, 1.23) | 1.06 (0.95, 1.19) | 1.14 (1.01, 1.29) | 1.17 (1.03, 1.32) | 1.06 (1.00, 1.13) | 0.05 |
|  | Adjusted | 1 | 1.08 (0.96, 1.21) | 1.06 (0.94, 1.20) | 1.14 (1.00, 1.29) | 1.15 (1.01, 1.31) | 1.05 (0.99, 1.12) | 0.10 |
| Total cholesterol | Unadjusted | 1 | 1.08 (1.00, 1.16) | 1.05 (0.97, 1.13) | 1.11 (1.03, 1.20) | 1.11 (1.03, 1.20) | 1.05 (1.01, 1.09) | 0.01 |
|  | Adjusted | 1 | 1.06 (0.99, 1.15) | 1.05 (0.97, 1.13) | 1.12 (1.03, 1.22) | 1.11 (1.02, 1.20) | 1.05 (1.01, 1.09) | 0.01 |
| Systolic blood pressure\* | Unadjusted | 0 | -2.53 (-5.73, 0.66) | -1.81 (-5.01, 1.38) | -0.23 (-3.60, 3.14) | -1.83 (-5.23, 1.57) | -0.61 (-2.22, 1.00) | 0.46 |
|  | Adjusted | 0 | -2.16 (-5.44, 1.11) | -1.86 (-5.13, 1.42) | -0.34 (-3.94, 3.25) | -1.50 (-5.11, 2.11) | -0.51 (-2.23, 1.21) | 0.56 |
| Diastolic blood pressure\* | Unadjusted | 0 | 0.35 (-2.15, 2.84) | 0.33 (-2.17, 2.82) | 2.07 (-0.57, 4.70) | 0.81 (-1.84, 3.46) | 0.40 (-0.86, 1.66) | 0.53 |
|  | Adjusted | 0 | 0.58 (-1.93, 3.09) | 0.11 (-2.40, 2.62) | 2.07 (-0.68, 4.82) | 0.98 (-1.79, 3.74) | 0.52 (-0.80, 1.84) | 0.44 |
| Waist circumference\* | Unadjusted | 0 | 1.07 (-0.75, 2.88) | 1.18 (-0.64, 3.00) | 1.73 (-0.19, 3.64) | 2.03 (0.10, 3.96) | 0.87 (-0.04, 1.78) | 0.06 |
|  | Adjusted | 0 | 1.03 (-0.78, 2.85) | 1.04 (-0.78, 2.86) | 1.18 (-0.82, 3.17) | 2.00 (-0.01, 4.00) | 0.78 (-0.17, 1.74) | 0.11 |
| BMI | Unadjusted | 1 | 0.99 (0.94, 1.05) | 1.02 (0.96, 1.07) | 1.03 (0.97, 1.09) | 1.01 (0.96, 1.07) | 1.00 (0.98, 1.03) | 0.79 |
|  | Adjusted | 1 | 1.00 (0.95, 1.05) | 1.02 (0.96, 1.07) | 1.04 (0.98, 1.10) | 1.02 (0.96, 1.08) | 1.01 (0.98, 1.04) | 0.52 |
| HOMA-IR | Unadjusted | 1 | 1.11 (0.93, 1.33) | 1.24 (1.04, 1.47) | 1.27 (1.06, 1.52) | 1.11 (0.92, 1.33) | 1.06 (0.97, 1.16) | 0.17 |
|  | Adjusted | 1 | 1.14 (0.95, 1.36) | 1.23 (1.03, 1.46) | 1.33 (1.10, 1.61) | 1.13 (0.93, 1.37) | 1.08 (0.99, 1.19) | 0.10 |
| Insulin | Unadjusted | 1 | 1.18 (1.00, 1.39) | 1.23 (1.04, 1.45) | 1.22 (1.03, 1.46) | 1.13 (0.95, 1.35) | 1.06 (0.97, 1.15) | 0.18 |
|  | Adjusted | 1 | 1.21 (1.03, 1.43) | 1.22 (1.03, 1.44) | 1.29 (1.08, 1.55) | 1.17 (0.97, 1.40) | 1.08 (0.99, 1.19) | 0.07 |
| Leptin | Unadjusted | 1 | 1.03 (0.78, 1.36) | 1.21 (0.92, 1.60) | 1.42 (1.06, 1.90) | 1.35 (1.00, 1.82) | 1.19 (1.03, 1.37) | 0.02 |
|  | Adjusted | 1 | 1.04 (0.79, 1.38) | 1.19 (0.90, 1.58) | 1.42 (1.05, 1.94) | 1.40 (1.03, 1.91) | 1.21 (1.05, 1.40) | 0.01 |

1 Adjustment for potential confounding by multiple linear regression including energy intake, pre-pregnancy BMI (kg/m2), height (cm), smoking, education, and offspring leisure activity. The p-value is the result of analyses of the data using GI as continuous variable (n=234). GI quintiles were determined from the original data files including 894 women.