

Supplementary Materials

Table S1. Trimester-specific metabolic markers data, according to pre-pregnancy BMI categories

| | | First trimester | | Second trimester | | Third trimester | |
|-----------------------------------|-----------------------------|-----------------|--------------|------------------|--------------|-----------------|--------------|
| | | n | Mean ± SD | n | Mean ± SD | n | Mean ± SD |
| ppBMI < 25 kg/m ² | Adiposity markers | | | | | | |
| | ppBMI (kg/m ²) | 58 | 22.0 ± 1.9 | - | - | - | - |
| | SAT thickness (mm) | 53 | 12.9 ± 4.9 | - | - | - | - |
| | VAT thickness (mm) | 53 | 20.4 ± 0.1 | - | - | - | - |
| | Leptin (ng/ml) | 44 | 20.9 ± 10.8 | 44 | 24.5 ± 11.7 | 44 | 26.0 ± 14.5 |
| | Glucose homeostasis markers | | | | | | |
| | Fasting glucose (mmol/L) | 58 | 4.4 ± 0.3 | 57 | 4.4 ± 0.4 | 58 | 4.5 ± 0.4 |
| | Fasting insulin (pmol/L) | 56 | 49.9 ± 21.6 | 55 | 58.6 ± 21.1 | 56 | 77.2 ± 26.8 |
| | HOMA-IR | 56 | 1.4 ± 0.6 | 55 | 1.7 ± 0.7 | 56 | 2.2 ± 0.9 |
| | Inflammation markers | | | | | | |
| | Adiponectin (mg/ml) | 42 | 11.4 ± 2.8 | 42 | 10.2 ± 3.1 | 42 | 8.3 ± 2.8 |
| | IL-6 (pg/ml) | 39 | 0.8 ± 0.5 | 39 | 1.1 ± 1.0 | 39 | 1.4 ± 0.8 |
| | CRP (mg/L) | 42 | 5.6 ± 7.3 | 42 | 4.5 ± 3.7 | 42 | 4.8 ± 5.8 |
| 25 < ppBMI < 30 kg/m ² | Adiposity markers | | | | | | |
| | ppBMI (kg/m ²) | 25 | 26.8 ± 1.4 | - | - | - | - |
| | SAT thickness (mm) | 24 | 19.6 ± 5.6 | - | - | - | - |
| | VAT thickness (mm) | 24 | 29.5 ± 10.3 | - | - | - | - |
| | Leptin (ng/ml) | 19 | 43.2 ± 14.4 | 19 | 43.1 ± 13.4 | 19 | 47.2 ± 16.2 |
| | Glucose homeostasis markers | | | | | | |
| | Fasting glucose (mmol/L) | 25 | 4.6 ± 0.4 | 25 | 4.5 ± 0.4 | 24 | 4.8 ± 0.7 |
| | Fasting insulin (pmol/L) | 24 | 63.9 ± 19.0 | 23 | 79.6 ± 21.5 | 21 | 103.7 ± 32.4 |
| | HOMA-IR | 24 | 1.9 ± 0.6 | 23 | 2.3 ± 0.7 | 21 | 3.1 ± 1.1 |
| | Inflammation markers | | | | | | |
| | Adiponectin (mg/ml) | 19 | 8.8 ± 2.8 | 19 | 8.4 ± 3.0 | 19 | 7.2 ± 2.7 |
| | IL-6 (pg/ml) | 18 | 1.1 ± 0.6 | 18 | 1.0 ± 0.5 | 18 | 1.5 ± 0.8 |
| | CRP | 19 | 7.5 ± 7.7 | 19 | 6.24 ± 3.4 | 19 | 8.0 ± 6.1 |
| ppBMI > 30 kg/m ² | Adiposity markers | | | | | | |
| | ppBMI (kg/m ²) | 18 | 35.0 ± 4.7 | - | - | - | - |
| | SAT thickness (mm) | 18 | 27.5 ± 5.7 | - | - | - | - |
| | VAT thickness (mm) | 18 | 43.2 ± 19.3 | - | - | - | - |
| | Leptin (ng/ml) | 14 | 60.4 ± 15.8 | 14 | 78.3 ± 36.9 | 14 | 81.1 ± 24.2 |
| | Glucose homeostasis markers | | | | | | |
| | Fasting glucose (mmol/L) | 18 | 4.6 ± 0.4 | 18 | 4.6 ± 0.4 | 18 | 4.8 ± 0.4 |
| | Fasting insulin (pmol/L) | 17 | 105.4 ± 48.2 | 18 | 118.1 ± 68.6 | 18 | 153.1 ± 66.5 |
| | HOMA-IR | 17 | 3.1 ± 1.6 | 18 | 3.6 ± 2.3 | 18 | 4.8 ± 2.3 |
| | Inflammation markers | | | | | | |
| | Adiponectin (mg/ml) | 14 | 8.8 ± 3.5 | 14 | 7.2 ± 2.4 | 14 | 7.0 ± 2.2 |
| | IL-6 (pg/ml) | 15 | 1.5 ± 0.6 | 15 | 1.8 ± 0.8 | 15 | 1.8 ± 1.3 |
| | CRP (mg/L) | 12 | 11.2 ± 6.1 | 12 | 13.8 ± 7.6 | 12 | 10.1 ± 4.3 |

PpBMI, pre-pregnancy body mass index; SAT, subcutaneous adipose tissue; VAT, visceral adipose tissue; HOMA-IR, homeostasis model assessment of insulin resistance; IL-6, interleukin-6; CRP, C-reactive protein.