**Supplemental Table 4. Maternal serum hormone concentrations in the third trimester in twins by sex**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Female/Male** | **Female/Female** | **Male/Male** |  |  |
| **Maternal Hormone** | **mean (SE)** | **mean (SE)** | **% difference1** | **p1** | **mean (SE)** | **difference1** | **p1** | **% difference2** | **p2** |
| Androstenedione (ng/ml) | 1.3 (0.1) | 1.6 (0.2) | -23.1% | 0.30 | 1.3 (0.2) | 0.0% | 0.62 | 18.6% | 0.16 |
| Testosterone (ng/dl) | 4.7 (0.2) | 4.9 (0.3) | -4.3% | 0.36 | 4.7 (0.2) | 0.0% | 0.88 | 4.1% | 0.44 |
| Estradiol (ng/ml) | 3.5 (0.1) | 3.7 (0.2) | -5.7% | 0.26 | 3.4 (0.1) | 2.9% | 0.39 | 8.1% | 0.73 |
| Estriol (ng/ml) | 3.4 (0.1) | 3.4 (0.2) | 0.0% | 0.94 | 3.1 (0.2) | 8.8% | 0.05 | 8.8% | 0.12 |
| IGFBP-3 (μg/ml) | 1.8 (0.1) | 1.8 (0.1) | 0.0% | 0.52 | 1.7 (0.1) | 5.6% | 0.08 | 5.6% | 0.43 |
| IGF-1 (ng/ml) | 6.0 (0.1) | 6.0 (0.2) | 0.0% | 0.95 | 5.9 (0.1) | 1.7% | 0.53 | 1.7% | 0.65 |
| Prolactin (ng/ml) | 4.9 (0.1) | 5.0 (0.2) | -2.0% | 0.69 | 5.0 (0.1) | -2.0% | 0.90 | 0.0% | 0.77 |

1 per cent difference was calculated as (meanmixedsex–meansinglesex)/meanmixedsex and p-value refers to comparison of female/male twins with each of the other groups.

2 per cent difference was calculated as (meanfemale/female–meanmale/male)/meanfemale/female and p-value refers to the difference between male/male and female/female twins.

3 all hormones are log-transformed