**Supplemental Table 5. Maternal serum hormone concentrations at delivery in twins by sex**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Female/Male** | | **Female/Female** | |  | | **Male/Male** | |  | |  |  |
| **Maternal Hormone** | **n** | **mean (SE)** | **n** | **mean (SE)** | **% difference1** | **p1** | **n** | **mean (SE)** | **% difference1** | **p1** | **% difference2** | **p2** |
| Androstenedione (ng/ml) | 15 | 1.6 (0.2) | 8 | 1.8 (0.3) | -12.5% | 0.39 | 15 | 1.3 (0.2) | 18.8% | 0.26 | 27.8% | 0.07 |
| Testosterone (ng/dl) | 16 | 4.9 (0.2) | 8 | 5.0 (0.3) | -2.0% | 0.51 | 15 | 4.7 (0.2) | 4.1% | 0.56 | 6.0% | 0.27 |
| Estradiol (ng/ml) | 16 | 3.9 (0.2) | 8 | 4.1 (0.4) | -5.1% | 0.74 | 15 | 3.4 (0.3) | 17.1% | 0.06 | 17.1% | 0.06 |
| Estriol (ng/ml) | 15 | 3.5 (0.1) | 8 | 3.5 (0.2) | 0.0% | 0.98 | 15 | 3.1 (0.2) | 11.4% | 0.03 | 11.4% | 0.07 |
| IGFBP-3 (μg/ml) | 16 | 1.8 (0.1) | 8 | 1.7 (0.1) | 5.6% | 0.44 | 15 | 1.8 (0.1) | 0.0% | 0.43 | -5.9% | 0.91 |
| IGF-1 (ng/ml) | 16 | 5.8 (0.1) | 8 | 5.8 (0.2) | 0.0% | 0.99 | 15 | 5.7 (0.2) | 1.7% | 0.82 | 1.7% | 0.85 |
| Prolactin (ng/ml) | 16 | 5.2 (0.1) | 8 | 5.2 (0.3) | 0.0% | 0.94 | 15 | 4.9 (0.2) | 5.8% | 0.20 | 5.8% | 0.32 |

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