**Table 1.** Mean (± SEM) plasma hormone concentrations, body and perirenal adipose tissue (PAT) weights, and adipose citrate synthase activity in sham and TX sheep fetuses at 129 and 143 days of gestation (dGA).

\* Significantly different from sham fetuses at the same gestational age; + significantly different from fetuses in the same treatment group at 129dGA; two-way ANOVA, P<0.05. ND, not detectable (minimum levels of detection: T4 7.0 ng/ml, T3 0.14 ng/ml).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **129 dGA** | | **143 dGA** | |
|  | **Sham (n=9)** | **TX (n=9)** | **Sham (n=10)** | **TX (n=10)** |
|  |  |  |  |  |
| T4 (ng/ml) | 81.1 ± 15.6 | ND | 82.9 ± 16.8 | ND |
| T3 (ng/ml) | 0.28 ± 0.07 | ND | 0.65 ± 0.13 | ND |
| Insulin (ng/ml) | 0.30 ± 0.04 | 1.29 ± 0.31\* | 0.56 ± 0.12 | 1.68 ± 0.19\* |
| Leptin (ng/ml) | 0.52 ± 0.03 | 0.98 ± 0.06\* | 0.67 ± 0.05 | 1.05 ± 0.08\* |
| Cortisol (ng/ml) | 12.6 ± 3.1 | 9.8 ± 1.5 | 54.9 ± 12.7+ | 28.7 ± 3.9+ |
| IGF-I (ng/ml) | 18.4 ± 1.2 | 21.2 ± 2.8 | 27.0 ± 5.7 | 25.3 ± 3.1 |
| IGF-II (ng/ml) | 102.8 ± 10.4 | 118.8 ± 5.5 | 105.3 ± 6.7 | 106.3 ± 3.8 |
|  |  |  |  |  |
| Body weight (kg) | 2.61 ± 0.19 | 2.49 ± 0.20 | 3.58 ± 0.23+ | 3.13 ± 0.13+ |
| Absolute PAT weight (g) | 9.89 ± 0.62 | 12.67 ± 1.44 | 10.91 ± 1.13 | 14.71 ± 1.08\* |
| Relative PAT weight (g/kg) | 3.92 ± 0.32 | 5.19 ± 0.52\* | 3.12 ± 0.31 | 4.76 ± 0.40\* |
| PAT citrate synthase activity (μmol/min/mg protein) | 0.62 ± 0.06 | 0.35 ± 0.03\* | 0.92 ± 0.09+ | 0.47 ± 0.04\* |