Plasma glucose concentrations (mmol/L) and serum insulin concentrations (µU/mL) for two sampling points (0 and 45 minutes after insulin bolus) during combined glucose insulin test (CGIT) at basal measurements (t0), after one year (t2) and after two years (t5) of excess energy intake.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Variable | Sampling point | Breed | t0 | t2 | t5 |
| Glucose(mmol/L) | 0 | Ponies | 3.53  | ± 0.63 | 3.93  | ± 0.38 | 4.34  | ± 0.86 |
| Horses | 4.08  | ± 0.20 | 4.52  | ± 0.22 | 4.41  | ± 0.47 |
| 45 | Ponies | 3.79  | ± 1.24 | 2.4  | ± 1.08 | 3.25  | ± 1.59 |
| Horses | 3.72  | ± 1.34 | 3.18  | ± 0.98 | 3.89  | ± 1.94 |
| Insulin (µU/mL) | 0 | Ponies | 4.26  | ± 1.36 | 7.93 | ± 5.75 | 13.9 | ± 14.9 |
| Horses | 6.32 | ± 2.35 | 9.3 | ± 3.18 | 15.1 | ± 10.3 |
| 45 | Ponies | 26.1  | ± 13.1 | 37.6 | ± 11. 1 | 62.2 | ± 38.4 |
| Horses | 37.5  | ± 14.1 | 51 | ± 16.2 | 85.6 | ± 54.4 |

Data are expressed as mean ± SD.