**Supplementary material 2 Mixed‐effects model analysis**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| DV | IV | Unstd.Est | | T | P | R2 | 95% CI | |
| β | SE | LLCI | ULCI |
| DEP | Constant | 2.824 | 0.084 | 33.506 | 0.000 | 0.012 | 2.658 | 3.990 |
| LAC | -0.124 | 0.055 | -2.251 | 0.025 | -0.233 | 0.016 |
| BMI | Constant | 2.647 | 0.191 | 13.839 | 0.000 | 0.070 | 2.271 | 3.023 |
| DEP | 0.094 | 0.043 | 2.204 | 0.028 | 0.010 | 0.178 |
| LAC | -0.508 | 0.105 | -4.834 | 0.000 | -0.714 | -0.301 |
| PA | -0.006 | 0.001 | -4.180 | 0.000 | -0.008 | -0.003 |
| **Lac X Pa** | | **0.004** | **0.001** | **4.265** | **0.000** |  | **0.002** | **0.006** |