**S4 Table. Body weight (BW), rectal temperatures, baseline HR and HR means during the different phases of the treadmill in control and treated groups**. Values are medians and interquartile ranges.

| Parameter | Group | | P value |
| --- | --- | --- | --- |
| | Control | Treated | |
| BW (kg) before starting the nutritional treatment (T0) | 26.7 (26.2, 28.3) | 25.4 (21.7, 27.3) | 0.209 |
| BW (kg) after the nutritional treatment (T1) | 27.0 (26.3, 28.2) | 25.8 (22.0, 27.3) | 0.259 |
| Baseline Rectal temperatures (°C) | 38.4 (38.1, 39.0) | 38.7 (38.3, 39.2) | 0.383 |
| Rectal temperatures after treadmill (°C) | 39.2 (38.9, 39.5) | 39.2 (38.9, 39.5) | 1.000 |
| Rectal temperatures after recovery (°C) | 39.0 (38.7, 39.0) | 38.7 (38.5, 38.9) | 0.259 |
| Baseline HR (bpm) | 109 (101, 118) | 95 (93, 106) | 0.209 |
| HR mean during Phase 1 (bpm) | 125 (97, 137) | 122 (117, 157) | 0.620 |
| HR mean during Phase 2 (bpm) | 127 (100, 139) | 123 (121, 153) | 0.620 |
| HR mean during Phase 3 (bpm) | 159 (114, 164) | 142 (138, 158) | 1.000 |
| HR mean during Phase 4 (bpm) | 133 (105, 143) | 120 (107, 133) | 0.535 |

Phase 1: 5 min at a 2.5% incline at 3.8 km/h.
Phase 2: 5 min at a 5% incline at 3.8 km/h.
Phase 3: 10 min at a 2.5% incline at 7.0-8.0 km/h.
Phase 4: 7 min of cool down at a 2.5% incline at 3.8 km/h.
P values from Mann-Whitney tests.