As age was nearly significantly different between groups in our original analysis, here, we provide additional analyses that include groups restricted to age 20-39 (Supplementary Table 1). Note that significant differences between groups were the same in these groups as in the original analysis.

**Supplementary Table 1.** Age (years), coordination variability (°), and coordination (°) for re-analysis of groups restricted to ages 20-39. Data are reported as mean (SD) for coordination and mean (95% CI) for coordination variability. Values were compared between groups using the same statistical tests as described in the manuscript.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | More experienced (n=12) | Less experienced (n=16) | p-value |
|  | Age | 29.8 (6.2) | 29.3 (5.1) | 0.82 |
| Coordination variability | Thigh-shank terminal swing | 11.9 (8-15.8) | 14.8 (11.8-17.8) | 0.88 |
| Thigh-shank early stance | 11.6 (8-15.2) | 6.1 (5.3-6.9) | **<0.001** |
| Thigh-shank mid stance | 4.7 (3.2-6.2) | 3.0 (2.6-3.4) | **<0.01** |
| Thigh-shank late stance | 6.1 (4.1-8.1) | 6.1 (3.7-8.5) | 0.48 |
| Shank-foot terminal swing | 14.2 (9.1-19.3) | 16.2 (12.7-19.7) | 0.74 |
| Shank-foot early stance | 14.3 (8.4-20.2) | 5.2 (3.1-7.3) | **<0.01** |
| Shank-foot mid stance | 5.4 (2.7-8.1) | 3.0 (2.6-3.4) | **0.01** |
| Shank-foot late stance | 5.2 (3.0-7.4) | 4.8 (1.9-7.7) | 0.44 |
| Coordination | Thigh-shank terminal swing | 93.6 (11.6) | 89.2 (8.3) | 0.27 |
| Thigh-shank early stance | 258.0 (6.7) | 261.8 (4.5) | 0.10 |
| Thigh-shank mid stance | 211.3 (5.7) | 210.0 (6.5) | 0.61 |
| Thigh-shank late stance | 211.6 (12.9) | 207.1 (13.6) | 0.40 |
| Shank-foot terminal swing | 52.0 (2.9) | 48.5 (3.9) | **0.02** |
| Shank-foot early stance | 204.0 (5.0) | 198.3 (2.7) | **<0.001** |
| Shank-foot mid stance | 223.4 (11.0) | 221.7 (9.9) | 0.67 |
| Shank-foot late stance | 249.8 (7.5) | 250.3 (6.6) | 0.88 |