Table SDC4: Knee excursion differences by strike type and footwear condition

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Knee Excursion (degrees) | | | | **Knee Excursion Percent Differences** | | | |
| Barefoot | | Standard Shoes | | **FFS vs. RFS** | | **Barefoot vs. Standard Shoes** | |
| Subject | FFS | RFS | FFS | RFS | **Barefoot** | **Standard Shoes** | **FFS** | **RFS** |
| 1 | 18.30 | 20.10 | 21.50 | 17.50 | **-9.38%** | **20.51%** | **-16.08%** | **13.83%** |
| 2 | 26.00 | 27.00 | 26.80 | 29.70 | **-3.77%** | **-10.27%** | **-3.03%** | **-9.52%** |
| 3 | 24.30 | 25.80 | 28.20 | 28.00 | **-5.99%** | **0.71%** | **-14.86%** | **-8.18%** |
| 4 | 19.90 | 16.20 | 20.10 | 15.00 | **20.50%** | **29.06%** | **-1.00%** | **7.69%** |
| 5 | 21.90 | 22.20 | 25.70 | 29.60 | **-1.36%** | **-14.10%** | **-15.97%** | **-28.57%** |
| 6 | 29.70 | 25.00 | 29.70 | 27.10 | **17.18%** | **9.15%** | **0.00%** | **-8.06%** |
| 7 | 20.60 | 22.30 | 26.40 | 19.90 | **-7.93%** | **28.08%** | **-24.68%** | **11.37%** |
| 8 | 20.60 | 23.90 |  |  | **-14.83%** |  |  |  |
| 9 | 23.50 | 16.60 |  |  | **34.41%** |  |  |  |
| 10 | 16.10 | 20.00 | 17.60 | 23.30 | **-21.61%** | **-27.87%** | **-8.90%** | **-15.24%** |
| 11 | 20.60 | 22.00 | 20.90 | 25.10 | **-6.57%** | **-18.26%** | **-1.45%** | **-13.16%** |
| 12 | 22.70 | 22.10 | 22.60 | 28.40 | **2.68%** | **-22.75%** | **0.44%** | **-24.95%** |
| 13 | 24.50 | 29.30 |  |  | **-17.84%** |  |  |  |
| 14 | 24.20 | 26.90 | 26.40 | 29.30 | **-10.57%** | **-10.41%** | **-8.70%** | **-8.54%** |
| 15 | 24.40 | 24.10 | 27.40 | 30.30 | **1.24%** | **-10.05%** | **-11.58%** | **-22.79%** |
| Mean ± SD | 22.49 ± 3.33 | 22.90 ± 3.70 | 24.44 ± 3.76 | 25.27 ± 5.21 | **-1.59% ± 15.20% (0.6916)** | **-2.18% ± 19.59% (0.7068)** | **-8.82% ± 8.05% (0.0030)\*** | **-8.84% ± 13.82% (0.0486)\*** |

FFS; forefoot strike; RFS, rearfoot strike