**Title:** Supplemental Table

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| **Supplemental Table: Results of gait variables using unmatched walking speed to baseline****Mean (SD) of groups, mean (SD) change within groups, and mean (95% CI) difference in change between groups adjusted for baseline scores** |
| **Outcome** | **Groups** | **Change within groups** | **Difference in change between groups\*** |
|  | Week 0 | Week 13 | Week 13 - Week 0 | Week 13- Week 0 |  |
|  | ALIGN(n=31) | Control(n=31) | ALIGN(n=31) | Control(n=29) | ALIGN(n=31) | Control(n=29) | ALIGN minus Control | p-value |
| **Normal pace gait** |  |  |  |  |  |  |  |  |
|  Peak KAM (Nm/(BW×HT)%) | 2.61 (0.93) | 2.81 (0.96) | 2.57 (1.09) | 2.88 (0.97) | -0.05 [-0.26, 0.16] | 0.12 [-0.17, 0.40] | -0.19 [-0.53, 0.15] | 0.27 |
|  KAM Impulse (Nm.sec/(BW×HT)%) | 0.85 (0.34) | 0.93 (0.34) | 0.77 (0.32) | 0.89 (0.35) | **-0.08 [-0.15, -0.01]** | -0.02 [-0.10, 0.06] | -0.07 [-0.17, 0.03] | 0.15 |
|  Peak KFM (Nm/(BW×HT)%) | 4.75 (1.88) | 4.79 (1.58) | 5.29 (1.83) | 5.18 (1.47) | **0.54 [0.03, 1.05]** | **0.46 [0.01, 0.92]** | 0.09 [-0.52, 0.70] | 0.77 |
|  Walking speed (m/s) | 1.36 (0.16) | 1.41 (0.16) | 1.45 (0.20) | 1.46 (0.15) | **0.09 [0.05, 0.13]** | **0.06 [0.02, 0.02]** | 0.03 [-0.03, 0.08] | 0.35 |
| **Fast pace gait** |  |  |  |  |  |  |  |  |
|  Peak KAM (Nm/(BW×HT)%) | 3.39 (1.14) | 3.72 (1.52) | 3.18 (1.32) | 3.72 (1.34) | -0.21 [-0.51, 0.10] | 0.02 [-0.43, 0.48] | -0.32 [-0.81, 0.17] | 0.19 |
|  KAM Impulse (Nm.sec/(BW×HT)%) | 0.78 (0.29) | 0.87 (0.40) | 0.74 (0.29) | 0.86 (0.31) | -0.03 [-0.10, 0.04] | 0.00 [-0.12, 0.12] | -0.06 [-0.18, 0.05] | 0.27 |
|  Peak KFM (Nm/(BW×HT)%) | 7.42 (2.36) | 7.64 (1.59) | 7.31 (2.03) | 7.69 (1.51) | -0.12 [-0.57, 0.33] | -0.01 [-0.53, 0.51] | -0.19 [-0.79, 0.40] | 0.52 |
|  Walking speed (m/sec) | 1.85 (0.22) | 1.92 (0.20) | 1.81 (0.26) | 1.88 (0.20) | **-0.05 [-0.09, 0.00]** | -0.04 [-0.08, 0.01] | -0.02 [-0.08, 0.05] | 0.64 |
| KAM: knee adduction moment; KFM: knee flexion moment; BW: body weight; HT: height |

Results of gait variables using unmatched walking speed to baseline assessment