|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | Barefoot | Shoe with window | Shoe without window, unchange marker position | Shoe without window,  Change marker position | F  (1, d-1) | *P* | ES |
| Lateral-wedged insole | HFSHK eversion/inversion | -3.17±2.37(-7.77-1.76) | -1.51±2.53(-4.51-4.32) | 1.53±2.17(-1.53-5.82) | 0.63±2.21(-4.1-4.35) | 42.090 | <0.001 | 0.737 |
| HFSHK  flexion/extension | 5.27±3.24(0.11-10.86) | 3.98±3.12(-0.82-9.14) | 3.45±3.32(-1.39-9.03) | 4.42±2.68(-0.64-9.08) | 3.592 | 0.021 | 0.193 |
| FFMF eversion/inversion | -15.48±3.21(-22.84--10.28) | -16.72±4.05(-24.8--10.89) | -13.66±3.16(-18.02--8.23) | -19.08±4.14(-26.89--13.59) | 14.224 | <0.001 | 0.487 |
| FFMF flexion/extension | -32.47±6.11(-44.39--23.2) | -33.25±5.05(-41.1--23.87) | -38.57±5.98(-47.94--29.96) | -34.93±5.67(-45.1--27.99) | 20.865 | <0.001 | 0.582 |
| FFHF eversion/inversion | 1.39±2.17(-3.04-4.19) | 1.17±2.32(-3.07-5.65) | 2.73±2.53(-1.74-7.15) | -1.4±2.35(-5.5-3.29) | 15.853 | <0.001 | 0.514 |
| Medial Longitudinal Arch Angle |  |  |  |  |  |  |  |
| Arch-support insole type I | HFSHK eversion/inversion | 0.75±2.66(-4.39-4.37) | 0.07±2.72(-4.82-5.88) | 2.52±2.22(-0.22-7.14) | 3.37±2.27(-1.23-6.26) | 17.348 | <0.001 | 0.536 |
| HFSHK  flexion/extension | 3.92±3.11(-0.46-9.35) | 3.29±2.36(-0.23-8.76) | 2.14±2.93(-2.11-7.35) | 4.35±2.91(0.01-11.19) | 4.544 | 0.007 | 0.232 |
| FFMF eversion/inversion | -14.48±3.17(-21.84--9.46) | -16.37±3.86(-26--10.99) | -13.13±3.73(-18.27--6.15) | -16.6±3.45(-21.6--10.67) | 7.732 | <0.001 | 0.340 |
| FFMF flexion/extension | -32.88±6.19(-45.33--23.54) | -34±5(-42.34--24.23) | -39.5±6.2(-50.11--30.55) | -36.71±6.11(-47.85--26.36) | 21.801 | <0.001 | 0.592 |
| FFHF eversion/inversion | 1.29±2.58(-3.67-4.65) | 1.26±2.67(-2.58-5.98) | 2.64±2.3(-2.03-6.62) | -1.92±2.09(-6.01-1.11) | 17.064 | <0.001 | 0.532 |
| Medial Longitudinal Arch Angle |  |  |  |  |  |  |  |
| Arch-support insole type II | HFSHK eversion/inversion | -2.87±2.53(-8.86-2.77) | -1.58±3.27(-6.97-5.57) | 2.09±2.16(-0.92-6.64) | 1.05±1.97(-2.41-4.01) | 32.202 | <0.001 | 0.682 |
| HFSHK  flexion/extension | 4.78±3.22(-1.08-9.81) | 3.83±2.53(0.16-8.92) | 2.69±3.19(-2.17-8.36) | 4.58±2.74(-2.17-9.18) | 5.648 | 0.002 | 0.274 |
| FFMF eversion/inversion | -15.62±3.09(-23.09--10.39) | -16.39±3.86(-22.9--10.18) | -12.99±3.51(-17.91--7.04) | -18.64±4.13(-24.42--10.57) | 14.995 | <0.001 | 0.500 |
| FFMF flexion/extension | -32.37±6.09(-44.21--23.41) | -34.02±5.03(-41.6--23.95) | -39.47±6.45(-50.03--28.99) | -36.06±4.76(-44.23--28.76) | 22.086 | <0.001 | 0.596 |
| FFHF eversion/inversion | -0.24±2.32(-5.28-3.44) | 0.93±3.1(-4.81-7.31) | 2.73±2.59(-1.79-8.37) | -1.86±2.01(-6.29-1.48) | 12.859 | <0.001 | 0.462 |
| Medial Longitudinal Arch Angle |  |  |  |  |  |  |  |
| Neural insole | HFSHK eversion/inversion | -0.22±2.13(-3.79-3.5) | 0.9±2.57(-3.48-6.4) | 2.09±1.96(-0.81-5.33) | This insole have no trail in this situation | 16.720 | <0.001 | 0.527 |
| HFSHK  flexion/extension | 4.3±3.41(-1.39-10.43) | 2.93±3.02(-1.95-9.46) | 3.7±3.3(-1.31-8.72) | This insole have no trail in this situation | 3.921 | 0.031 | 0.207 |
| FFMF eversion/inversion | -13.8±3.02(-20.53--8.26) | -16.57±3.71(-24.83--10.84) | -14.65±3.32(-19.68--9.49) | This insole have no trail in this situation | 6.255 | 0.005 | 0.294 |
| FFMF flexion/extension | -33.11±6.24(-45.27--23.68) | -32.98±4.69(-40.43--23.06) | -37.59±5.89(-47.87--29.81) | This insole have no trail in this situation | 18.236 | <0.001 | 0.549 |
| FFHF eversion/inversion | 3.44±2.33(-0.77-6.87) | 1.31±2.54(-2.42-5.46) | 1.97±2.09(-0.96-6.56) | This insole have no trail in this situation | 8.192 | 0.001 | 0.353 |
| Medial Longitudinal Arch Angle |  |  |  | This insole have no trail in this situation |  |  |  |

Another similar table for each condition, differences between with insole / neutral

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | Shoe with window | Shoe without window, unchange marker position | Shoe without window,  Change marker position | F  (1, d-1) | *P* | ES |
| Lateral-wedged insole | HFSHK eversion/inversion | 1.66±2.19(-2.62-5.35) | 4.7±1.53(2.24-7.39) | 3.8±1.77(-0.56-7.28) | 24.593 | <0.001 | 0.621 |
| HFSHK  flexion/extension | -1.29±2.22(-6.96-3.81) | -1.82±2.31(-7.22-2.63) | -0.86±2.49(-4.8-3.71) | 1.579 | 0.223 | 0.095 |
| FFMF eversion/inversion | -1.24±3.17(-12.17-2.47) | 1.82±2.87(-3.92-7.45) | -3.6±3.82(-10.23-2.09) | 20.372 | <0.001 | 0.576 |
| FFMF flexion/extension | -0.78±2.77(-3.52-9.06) | -6.1±3.77(-10.05-4.67) | -2.45±3.38(-7.33-6.67) | 22.087 | <0.001 | 0.596 |
| FFHF eversion/inversion | -0.22±1.75(-3.41-2.43) | 1.34±2.21(-1.96-5.42) | -2.79±2.36(-6.62-1.13) | 19.332 | <0.001 | 0.563 |
| Medial Longitudinal Arch Angle |  |  |  |  |  |  |
| Arch-support insole type I | HFSHK eversion/inversion | -0.68±1.54(-2.5-4.02) | 1.77±2.28(-1.24-6.09) | 2.62±2.31(-0.28-7.32) | 23.247 | <0.001 | 0.608 |
| HFSHK  flexion/extension | -0.63±2.05(-5.32-2.94) | -1.78±2.3(-6.96-1.69) | 0.43±2.73(-4.67-3.97) | 5.615 | 0.008 | 0.272 |
| FFMF eversion/inversion | -1.89±2.85(-10.66-2.01) | 1.35±3.47(-5.27-9.35) | -2.12±3.76(-9.67-4.82) | 11.835 | <0.001 | 0.441 |
| FFMF flexion/extension | -1.12±2.96(-4.26-8.83) | -6.62±3.98(-11.28-5.11) | -3.83±3.89(-9.12-5.7) | 20.875 | <0.001 | 0.582 |
| FFHF eversion/inversion | -0.03±1.9(-5.09-2.46) | 1.36±2.91(-4.03-6.5) | -3.21±2.68(-7.97-0.52) | 24.295 | <0.001 | 0.618 |
| Medial Longitudinal Arch Angle |  |  |  |  |  |  |
| Arch-support insole type II | HFSHK eversion/inversion | 1.29±2.44(-4.46-5.93) | 4.96±2.63(-0.13-10) | 3.93±2.57(-0.41-10.21) | 17.475 | <0.001 | 0.538 |
| HFSHK  flexion/extension | -0.96±1.67(-3.51-2.63) | -2.09±2.13(-6.01-1.55) | -0.21±2.89(-5.79-3.75) | 4.923 | 0.14 | 0.247 |
| FFMF eversion/inversion | -0.77±3.56(-10.54-7.54) | 2.63±3.14(-3.79-9.28) | -3.02±4.01(-9.46-5.75) | 27.455 | <0.001 | 0.647 |
| FFMF flexion/extension | -1.65±3.32(-9.08-8.31) | -7.1±3.71(-11.36-3.57) | -3.7±4.06(-9.9-7.12) | 19.467 | <0.001 | 0.565 |
| FFHF eversion/inversion | 1.17±2.75(-3.68-5.85) | 2.97±2.91(-1.08-7.94) | -1.62±2.96(-6.97-2.92) | 16.614 | <0.001 | 0.526 |
| Medial Longitudinal Arch Angle |  |  |  |  |  |  |
| Neural insole | HFSHK eversion/inversion | 1.12±1.57(-1.75-4.24) | 2.31±1.27(-0.23-4.49) | This insole have no trail in this situation | 6.872 | 0.019 | 0.314 |
| HFSHK  flexion/extension | -1.37±2(-7.06-2.14) | -0.6±2.02(-4.61-2.92) | This insole have no trail in this situation | 1.827 | 0.196 | 0.109 |
| FFMF eversion/inversion | -2.77±2.56(-10.99-0.18) | -0.85±3.29(-5.92-6.3) | This insole have no trail in this situation | 4.749 | 0.046 | 0.240 |
| FFMF flexion/extension | 0.13±2.9(-4.47-9.01) | -4.48±3.96(-8.26-7.03) | This insole have no trail in this situation | 32.142 | <0.001 | 0.682 |
| FFHF eversion/inversion | -2.12±1.45(-4.99-0.12) | -1.46±2.16(-4.43-3.47) | This insole have no trail in this situation | 1.049 | 0.322 | 0.065 |
| Medial Longitudinal Arch Angle |  |  | This insole have no trail in this situation |  |  |  |

Data has already been picked out the outliner value.