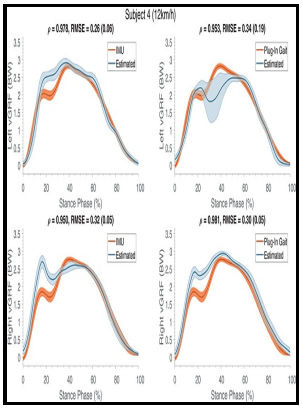
Variability of selected ground reaction force parameters during running.

Microform Publications,College of Human Development and Performance, University ofOregon - Effects of arch height of the foot on ground reaction forces in running



Description: -
-Variability of selected ground reaction force parameters during running.
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Notes: Thesis (M.S.) - University of Oregon, 1982.
This edition was published in 1984

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Tags: #Variations #in #ground #reaction #force #parameters #at #different #running #speeds

Intraday reliability of ground reaction force data

Cycle 1, Cycle 2, etc. Apparent variability of the vertical jumping GRF pulses on the cycle-by-cycle basis results from inherent inability of humans to repeat identical movement twice Hamill and McNiven,.

Variations in ground reaction force parameters at different running speeds

Results from both ICC and SAT analysis indicated that several cycles were necessary to achieve stability of the selected GRF variables during continuous countermovement jumping. Nominally identical ICC analysis was also performed for each selected GRF variable due to jumping at 2 Hz, 2.

Reproducibility of electromyography and ground reaction force during various running techniques

Intra-class correlation coefficient analysis The stability of each ground reaction force variable initially was calculated for each subject group by using ICC Model 3, 1 applied to the first two landing trials. Retrieved Aug 02 2021 from Abstract The objectives were to determine the number of trials necessary to achieve performance stability of selected ground reaction force GRF variables during landing and to compare two methods of determining stability.

Reliability of selected ground reaction force parameters during walking

Additionally, it was hypothesized that different methods for determining stability would provide dissimilar results.

Time and frequency domain analysis of ground reaction forces during walking: an investigation of variability and symmetry

Collectively, results from the investigations which have used the sequential averaging technique suggest that 8-12 trials might be necessary to

achieve performance stability in ground reaction force and lower extremity kinetic variables during various locomotor tasks, but results differ slightly among activities. While events in the ground reaction force curves occurred at the same relative time, magnitude changes in the forces and relative impulses as a result of the changes in running speed were observed.

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