Pressure and force distribution under the normal foot during the push-off phase in gait

Summary / Zusammenfassung
The plantar pressure distribution was measured during the push-off phase of walking with the EMED-SF4 system of Novel, in 42 healthy subjects between 20 and 59 years of age.
After subdividing the foot into regions of interest, using a standard mesh configuration, forces acting in each of these areas were calculated from the pressures we measured. The importance of the first ray is shown in carrying forefoot load.

Keywords / Suchbegriffe
foot pressure distribution, foot force distribution, second force peak, gait analysis

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