

## The Effect of Fixing Kinesiology Tape onto the Plantar Surface during Loading Phase of Gait

**Authors :** Albert K. Chong, Jasim Ahmed Ali Al-Baghdadi, Peter B. Milburn

**Abstract :** Precise capture of plantar 3D surface of the foot at the loading gait phases on rigid substrate was found to be valuable for the assessment of the physiology, health and problems of the feet. Photogrammetry, a precision 3D spatial data capture technique is suitable for this type of dynamic application. In this research, the technique is utilised to study of the effect on the plantar deformation for having a strip of kinesiology tape on the plantar surface while going through the loading phase of gait. For this pilot study, one healthy adult male subject was recruited under the USQ University human research ethics guidelines for this preliminary study. The 3D plantar deformation data of both with and without applying the tape were analysed. The results and analyses are presented together with the detail of the findings.

**Keywords :** gait, human plantar, plantar loading, photogrammetry, kinesiology tape

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