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Physician's Release

A recent study assessing the FS6® Compression Foot Sleeve for ING Source/OrthoSleeve (2015) was conducted by The Robert M. Palmer M.D. Institute of Biomechanics, Inc. (an NCOPE accredited pedorthic biomechanics school; sponsored by Oklahoma State University Institute of Technology). The product was tested against other therapy methods and against no therapeutic methods or products. The study focused on the new compression sleeve's impact on the distribution of plantar pressure and its efficacy of reducing the magnitude of peak plantar pressure points during gait. The study also compared the overall center of pressure trajectory during the stance phase of walking.

The study demonstrated an increased distribution of the peak plantar pressures points to a larger area and consequently a reduction in peak magnitude, as well as a more direct center of pressure trajectory across the sole of the foot. These results provide evidence that the FS6® product provided off-loading and disbursement of the plantar pressures in the forefoot and rearfoot as well as providing a potential improved foot alignment while wearing the sleeve.

The pilot study supported the concept that through the products unique compression sleeve design and its effect on the foot, changes in plantar pressure distribution can mimic the potential - positive benefits used in a non-aggressive therapy (i.e., Low Dye taping, DMR taping and other various taping techniques, over-the-counter feet orthoses and traditional custom functional or accommodative feet orthosis as well as current available compression techniques). Alterations in foot pressure distribution and progression during gait were analogous to, and in some cases more effective than, prefab arch supports / orthoses, custom-standard / traditional podiatric orthoses, similar techniques to L&M low-dye taping..

Thus the current study indicates that the FS6 compression sleeve may serve as an effective alternative or adjuvant to traditional therapies through a easy to apply compressive sleeve, a technique used in medical therapies for over 50 years.

The FS6®'s unique variable compression design assisted in off-loading and displacing peak plantar pressure during gait and static stance, as well as providing soft tissue compression and improving foot alignment. Results may vary based on the consumer or patient's anatomy, physiology, condition(s), foot type, pathology and support shoe.