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題目 (Title):

兩種踝上矯具對於唐氏症幼童粗大動作影響之單一受試者研究
(Single-Subject Design Study of 2 Types of Supramalleolar Orthoses for Young Children with Down Syndrome)

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目的 (Purpose):

本研究主要探討兩種不同類型的踝上矯具對於唐氏症幼童粗大動作的影響。
(This study examined the effects of 2 types of supramalleolar orthoses on gross motor skills of young children with Down syndrome.)

方法 (Methods):

兩位兒童參與此一前瞻性單一受試者、交替治療研究，共有三種不同的情形：
(A) 基準期，兒童有穿鞋未穿矯具；(B1) 第一次治療；和 (B2) 第二次治療。
粗大動作技巧測量使用粗大動作功能量表 (Gross Motor Function Measure)。使用兩個標準差區間設定的方式做為資料分析。
(Two children participated in this prospective single-subject, alternating treatment design with 3 conditions: baseline phase with shoes but without orthoses (A), first intervention phase (B1), and second intervention phase (B2). The Gross Motor Function Measure was used to collect data on motor skills. The 2-standard deviation

band method was used for data analysis.)

結果 (Results):

相較於僅穿著鞋子時，兩位兒童在使用 SureStep 踝上矯具粗大動作技巧都有改善，其中一位在穿著 DAFO #4 踝上矯具時也有改善。兩家於研究結束後選擇繼續使用 SureStep 踝上矯具。

(Both children demonstrated improvement, using the SureStep compared to shoes only, and 1 child also improved with the DAFO #4. Both families chose to continue using the SureStep at the conclusion of the study.)

結論 (Conclusions):

提供唐氏症幼兒矯具一直是標準處置照顧模式；然而，研究尚未證實何種矯具最為有效或者在發展中應何時給予矯具。

(Orthoses for young children with Down syndrome continue to be the standard of care; however, research has yet to confirm the most effective type of orthosis or when developmentally to introduce orthoses.)