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Title
The Treatment of Young Children with Low Trunkal Tone, as a Result of Various Diagnoses, with Dynamic GPS Soft Orthoses - Cases Studies

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Summary
The aim of these case studies was to select specific patient group and look at the effect of wearing Dynamic GPS Lycra Orthosis on them. As seen by ourselves, the therapists involved and the family/carers.

Introduction
The group of patients where we have thought the orthosis should be most successful are those with trunkal hypotonia. This hypotonia results in instability of the trunk, which can hinder the child’s development. We have therefore decided to carry out case studies of several young children who have been supplied with a Dynamic GPS Lycra Orthosis.

Methods
The needs of each patient were individually assessed, and the orthosis was provided to improve the child’s core stability. At the initial assessment, all of the children supplied with an orthosis, were between 18 months and 3 years old. The children were supplied with a Dynamic GPS Lycra Orthosis, with or without arms. Photographs of the children were taken before and after supply, with the orthosis. Developmental changes, which have been noted by the physiotherapists involved in the children’s treatment, were obtained.
Along side this we will ask the families of the children supplied, to ask their views, as to how the wearing of the lycra orthosis has affected their child’s, physical development, handling throughout the day and general wellbeing.

**Results**
The photographs and documentation from the therapists involved show that the orthosis provides the child with more trunk stability. The child’s posture is improved by the use of the orthosis. Functional changes have occurred after the continual wearing of the orthosis for several months, were noted by the therapists and the childs family/carers.

**Conclusion**
Supply of this group of young children with a Dynamic GPS Lycra Orthosis, provides very much needed stability in the trunk. This enables the progression of their motor development, and therefore positive outcomes, in the quality of their daily lives.

**References**
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