

Foster Development



Determining the right type of orthosis with the right joints at the right time is a complex task requiring the close collaboration of an interdisciplinary team. This approach ensures the orthosis provides maximal support to the patient, boosts their independence, and improves their quality of life.

Make the resources available
as required for development

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Facilitate the desire
to flourish naturally

Improved mobility
results in a higher life expectancy (joy of life)

Patients with SB/HC. Addenbrooke's Hospital, Cambridge, UK

More performance:
walking creates awareness and sharpens perception



Support and Application

The primary reasons for using a walking orthosis are to support weakened muscles and, when necessary, to compensate for lost movement capability. If muscles are unable to perform their functions, the orthosis takes over the role providing structural support and alignment for the skeleton, as well as facilitating or limiting movement.



Support the skeleton

Straighten the skeleton

Move the skeleton

Limit the skeleton



Support musculature

Substitute musculature

Apart from the functional roles of the walking orthosis, other factors need to be considered, such as independent donning/doffing and standing up/sitting down, as well as stable standing and walking.