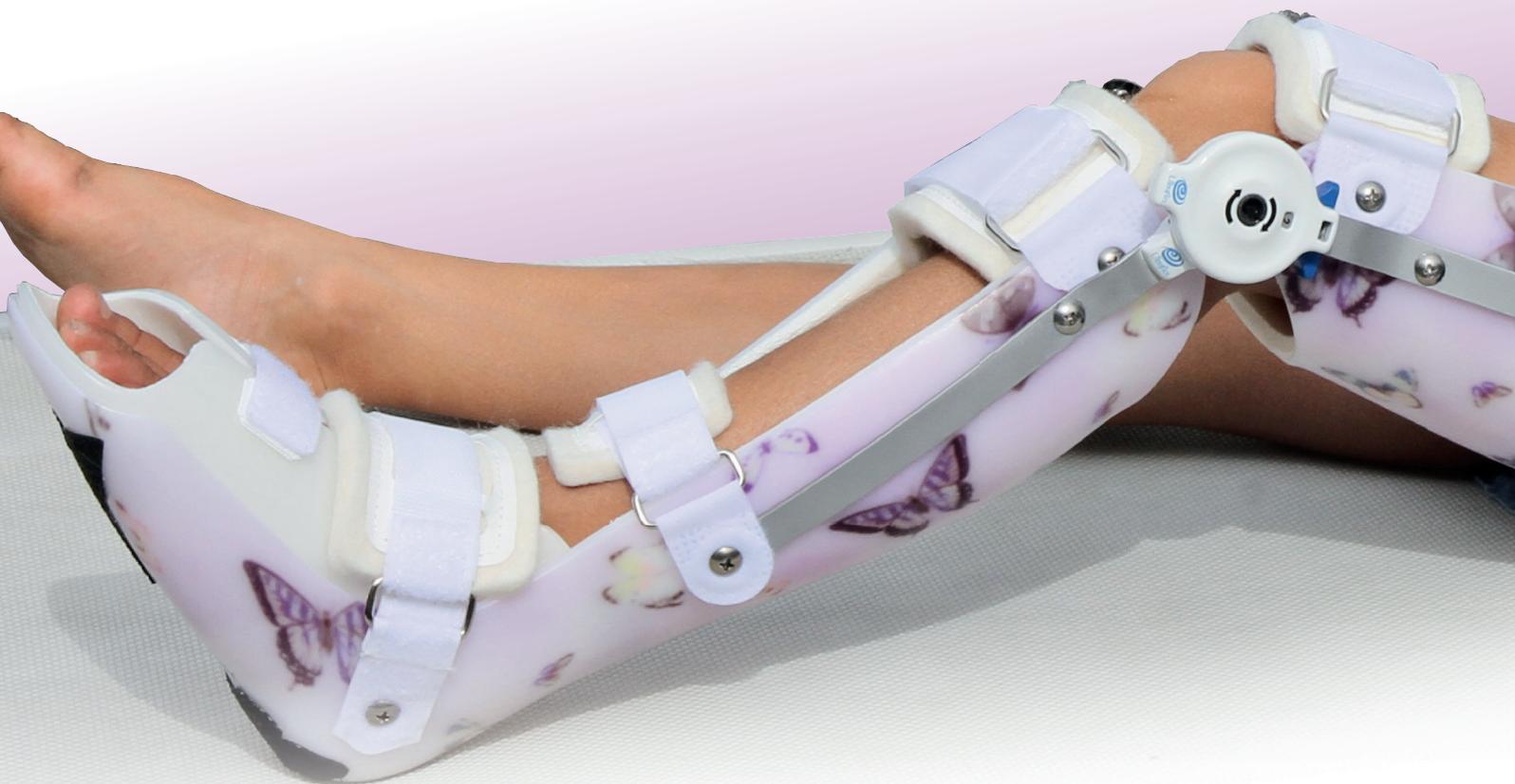


ONE™ Therapeutic components

For loss of motion and spasticity management.

Therapeutic orthotics for a repetitive mobilization and maximal comfort with precise dynamic stimulus.

One component: a Hybrid



What is Ultraflex®

Ultraflex® is a dynamic, therapeutic hinge, which is integrated in an orthosis and offers a permanent stress over a long period of time. The force is exercised by means of an isotonic spring, which can be individually adjusted and controlled below the level of spastic reaction or pain. At the other hand, Ultraflex® ONE™ is a hybrid. This means that this is the only hinge that allows not only a progressive dynamic feature but also a progressive static use. That's why Ultraflex® ONE™ is very interesting to use with common standard treatment protocols.

Principle

The dynamic progressive way of stretching is comparable to common manual stretching. It uses a low permanent tension and over a long periode (LLPS principle: Low Load Prolonged Stretch) to obtain and maintain maximum range (TERT = Total End Range Time)

Goal

The dynamic progressive application of Ultraflex® ONE™ make use of the patients' spasticity to create motion in order to fight the deforming forces of spasticity. It offers repetitive motion. During its use, the patients can always go back into their 'comfortable' spastic position, unlike traditional static devices.

Result*

This lengthens the muscles and increases the range of motion. The spasticity values also improve significantly whilst maintaining optimum wearing comfort, in comparison to the existing static orthoses.

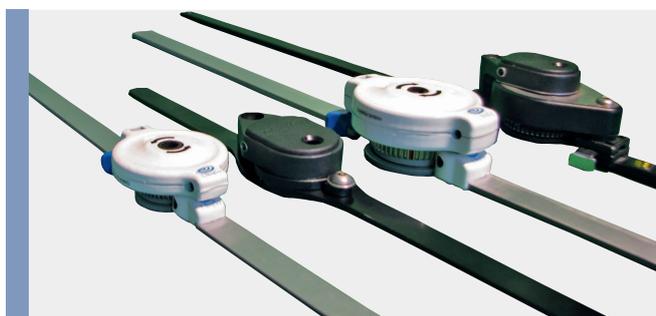
Heymann et al. 2012 ICPC Pisa Comparative study: Static adjustable orthosis versus dynamic therapeutic orthosis for knee flexion limitations in Children with Cerebral Palsy.

Application

The Ultraflex® ONE™ heralds a new standard in mobilizing orthosis. One hinge and one reference number provides treatment for 4 different joints, in both flexion and extension direction, for left and right. For optimum results, the Ultraflex® therapeutic orthoses should be applied as soon as possible as part of a multi-disciplinary approach before the structural deformities start to dominate. The greater the range of movement of the passive mobilization, the better the results.

Indications

Range of motion defecites due to spasticity, trauma, burns and muscle diseases.



Ultraflex® 2 vs. Ultraflex® ONE™



Large vs. Small

**The success of these therapeutic orthoses is determined directly by adhering to the guidelines (or failure to do so), as set out by Ultraflex®. We therefore recommend that these guidelines are respected to the letter. The follow-up, usually by the treating therapist, is vitally important.*

Ultraflex®

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