CDS® treatment for neuro orthopaedics

What are contractures?
Contractures are secondary conditions often associated with neurological disorders. Tissue structures surrounding joints shorten and limit the full physiological movement. Associated complications are soft tissue degradation, pain and decreased mobility.

Controlled Dynamic Stretch - dynamic contracture treatment
The albrecht CDS® system is based on the principal of dynamic stretching. Unlike static treatment of contractures, the shortened structures are stretched gently with a controllable force.

The CDS® hinges operate via a dynamic spring mechanism. This allows the application of a continuous stretch while also allowing for movement. Blood circulation to the contracted areas is encouraged and further contractures are avoided.

Allowing for mobility is one of the key components of the CDS® series. This makes them uniquely suitable for neurological patients who suffer from spasticity.

NEW CDS® Ankle Brace Neuro
The CDS® Ankle Brace has been optimised for neurological patients. A vacuum pad ensures that the foot is secured in the brace without the risk of tissue damage. The foot plate can be adjusted for a rotation of the foot as well as supination or pronation.
Patient N, 40, sustained infantile brain damage due to a lack of oxygen at birth. He suffers from severe spastic contractures which have been treated with static braces.

He has been fitted for CDS® elbow braces on both arms and CDS® knee braces on both legs.

Within three months of treatment the ROM of his knee joint has increased from 30° to 58° in comparison to the static brace used previously.

Please visit the NEWS section on our website for the movie.