



AlignMed Technology & NeuroMuscular Disorders

Bill Schultz, President & Founder

AlignMed is an adjunctive therapeutic solution for the malady of cerebral palsy as well as other related neuromuscular disorders. AlignMed is a wearable technology, whereby elastic fabric banding (NeuroBands™) are built into a garment to apply specific tension patterns to stimulate muscle activity for the correction and maintenance of motor control and posture; especially in those individuals with disabilities that prevent them from doing this on their own. AlignMed is a comfortable, cost effective, conservative option for those who suffer malady of cerebral palsy.

The neurologic learning and movement disorder of cerebral palsy has been shown to be helped by the use of Dynamic Movement Orthoses (DMO's). DMO's can be described as biomechanical support on muscles that are designed to not restrict the user's movement. This is a relatively new approach to managing abnormal motor control, muscle tone and neurological dysfunction in those with cerebral palsy (and a multitude of Neurologic disorders such as Thoracic Outlet Syndrome, MS and MD). AlignMed use three different levels of apparel strength and modularity to accomplish this. In the case of cerebral palsy, the Level 2 MyLign™ or Level 3 S3® or S3® Spinal Q would be the best options to improve functional abilities where the user has involuntarily lost or is losing control of their motor function.



A NEW approach to managing abnormal motor control, muscle tone and neurological dysfunction.



AlignMed SpinalQ™

The AlignMed Level 2 and 3 products achieve this with a snug, form fit and custom placed NeuroBands where controlled pressure and tension on certain muscle groups will improve proprioception, equilibrium and ultimately control of movement with biomechanical support and neurologic biofeedback.

As well as improved functional movement AlignMed other benefits can include improved postures, reduced involuntary movements, pain relief, decreased associated reactions, easier transfers and improved therapy sessions. Over time, the desired effect of AlignMed garments would be an improvement in function and control of movement when the AlignMed Dynamic Orthosis is removed – i.e. the muscle retraining has a carry-over effect when not wearing it.

The therapeutic success, the carry-over effect and the factors affecting its duration is dependent upon the individual patients and their reaction to the garments as treatment. The Level of AlignMed product chosen is based on the wearers' ability and the functional objectives assessed by the caregiver. Although we have not performed clinical trials, patients with neurological dysfunction such as cerebral palsy, autism, stroke (CVA), head injury, multiple sclerosis and other neurological conditions have benefited from wearing AlignMed.

Compliance is an essential part of this treatment both for those wearing AlignMed products and those caring for the wearer - i.e. parents, caregivers, teachers, and therapists. Without an acceptance of AlignMed as a regime of wearing the product, over a period of period of time, it is unlikely that it will work in this population.