



Mollii is a unique assistive device for people with spasticity, motor disability, increased or decreased muscular tension.

Mollii provides electrical stimulation via a specially designed garment, thus helping the body to relax and increase movement, function and activity.



## **Mollii is used for spasticity and increased or decreased muscular tension**

Mollii prevents and counteracts different forms of muscle shortening and rigidity. The assistive device helps the user to regain control over muscular tension.

### **Who is Mollii for?**

Mollii is an assistive device for people with spasticity and other forms of motor impairment due to cerebral palsy, stroke, multiple sclerosis, Parkinson's, brain damage, spinal cord injury or other neurological injuries. Mollii can also be used to alleviate chronic pain.

### **How does it work?**

Mollii is a functional garment that consists of a pair of trousers, a jacket and a detachable control unit which sends electrical signals to the user via electrodes on the inside of the garment. The suit has 58 electrodes which can be combined in various ways. Mollii has a control unit which is individually programmed for each user. The person prescribing Mollii uses a computer program to adapt the active electrodes and the intensity (which muscles are to be activated by means of current). The settings are then saved in the Mollii control unit, making it simple for the device to be used at home.

### **What happens in the body when Mollii is used?**

Mollii uses low level electric current to produce basic tension in the musculature. The current stimulates the antagonist to the spastic muscle. If, for example, the biceps is spastic, the triceps is stimulated which in turn makes the biceps relax. Relaxing the muscle enables active movement and a gradual improvement in function. The physiological mechanism is called reciprocal inhibition.

### **User-friendly:**

Mollii is a functional assistive device that is designed to be used in the home environment. It is simple to use. If a person can put on an ordinary garment him/herself, then he/she can put Mollii on him/herself. There is a button for on/off and a button for play/ pause. A single push of the button starts muscle stimulation, which proceeds automatically for 60 minutes.

### **Use:**

The device is used for approximately one hour on 3-4 occasions per week. For optimum effect, Mollii should be used together with physiotherapy, training, activity and movement. The effect lasts for 24-72 hours. If Mollii is used over longer periods, the effect lasts for longer between uses.

### **Sizes:**

Available in 20 sizes for children from size CL 104 to ladies and mens sizes.

Children (CL): 104, 110, 116, 122, 128, 134, 140, 146, 152

Ladies: XXS, XS, S, M, L, XL

Mens: XXS, XS, S, M, L, XL

### **Supplied with:**

Jacket, trousers, control unit (with bag), belt, laundry bag and user manual.

### **Washing instructions:**

40 degrees delicate wash once per month. In between the garment can be hand washed in lukewarm water.

### **Warranty period:**

2 years

### **Classification:**

Mollii is a medical device, class IIa.



#### **Technical information**

Power supply:	4 batteries (AAA)
Voltage:	20 V
Pulse width:	25-175 us
Frequency:	20 Hz
Pulse appearance:	Square wave
Channels:	40
Electrodes:	58
Electrode material:	Silicone rubber
Fabric material:	Nylon 82 %, Spandex 18 %

