

MultiMotion

Dynamic Hip abduction System



Professional instructions

Basko
Healthcare

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MultiMotion

Dynamic Hip Abduction System for pediatrics

Please read these instructions carefully before use!
Pay particular attention that the safety instructions are respected.

User instructions

- The product must be fitted by or under the supervision of a competent professional
- Special precautions must always be taken for patients with a visual impairment, cognitive limitations and/or reduced sensibility in the lower extremity.
- Changes, modifications and adjustments to the product that are not described in these instructions, are done under the responsibility of the person carrying them out.

Intended use of the product

The MultiMotion dynamic hip abduction system is used for the treatment of correctable contractures in the hip joint. Usage allows for the legs to be positioned in a physiologically correct way and to stabilize the hip joint. The adductors are successively, precise and evenly stretched. The hip abduction system is to be used exclusively in orthotics for the lower extremities and should not be weight bearing. The MultiMotion dynamic hip abduction system for pediatrics consists of two components, the corrective joint and the abduction bars.

Indications/ Contraindications

The diagnosis is made by the physician or a competent medical professional.

Neurological indications

- Diplegia, spastic (ICD10: G80.1)
- Tetraplegia, spastic (ICD10: G80.0)
- Triplegia, spastic (ICD10: G80.9)

Orthopedic indications

- Hip joint subluxation, congenital (ICD10: Q65.5)

General safety instructions

Risk of injury as a result of incorrect use; the professional should verify correct functioning of the hip abduction system prior to delivery of the orthosis to the user. The patient and his/her care giver(s) should also be instructed on donning and doffing the orthosis and have the joint operation explained to them. It should also be made clear to them that the torque output setting should never be changed by anybody else than the professional or therapist, unless the treating physician decides otherwise.

The joints should not come into contact with water.

Comment

Specialists opting for and/or fitting and customize these products, should use their professional judgment in choosing the product, fitting it and adequately educating the patient or care giver so as to minimize potential risks for each individual patient.

Used materials

MultiMotion abduction bars

- Aluminum
- Steel/stainless steel
- Polyamide

MultiMotion corrective joint

- Aluminum
- Steel/stainless steel
- Brass
- Synthetic PC ABS

Maintenance recommendations

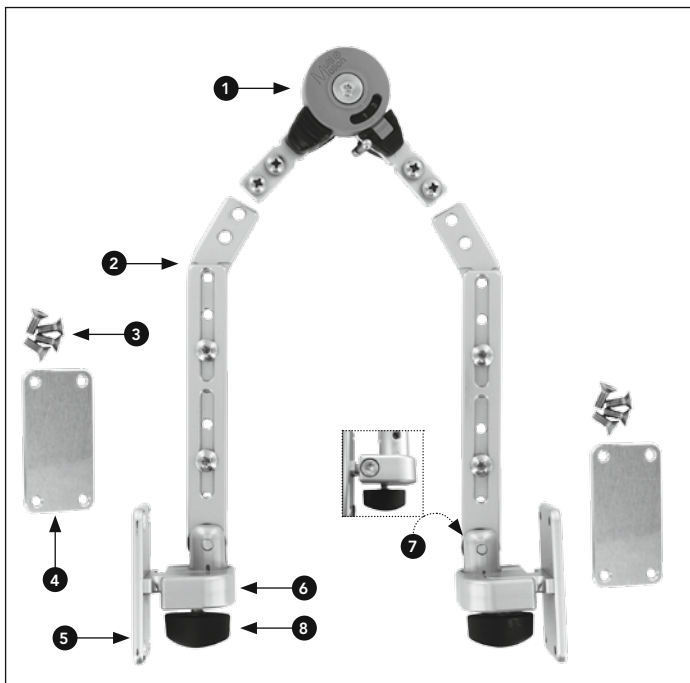
We recommend checking the system at least once every six months, or as often as the technician decides for functionality and wear and tear.

Package content

- MultiMotion abduction bars
- Technical instructions
- Patient documentation

The abduction bars comes in two variations; Small (# MM-HA-S) and Regular (#MM-HA-R). Check the package label to make sure the shown article number corresponds with the content of the package.

Components



1. MultiMotion Correction Joint
2. Telescopic bars
3. Allen screws
4. Anchor plate
5. Anchor plate adapter
6. Rotation setting
7. Allen screw for rotation setting
8. Quick release screw

Abduction bar selection

Determine by body length which MultiMotion abduction bar size is best suitable for the patient. Size „Small“ (MM-HA-S) is suitable for a body length up to 105 cm (41,5 inch) and size „Regular“ (MM-HA-R) for a body length over 105 cm (41,5 inch).

Article number	Unit	Size	Body length
MM-HA-S	Set	small	< 105 cm
MM-HA-R	Set	regular	> 105 cm

Construction requirements for the orthosis

For proper operation, it is important that the corrective joint and abduction bars are built correctly onto an orthosis with sufficient torsional rigidity. Make sure that you take the necessary actions to ensure that the anchor plates are mounted approximately in the middle of the lower leg. The total length of the orthosis (including the corrective joint) should stay clear from the patient genitals. To adjust the length of the telescopic bars, loosen the screws on the bars and set them to the desired length.

Mounting the corrective joint onto the abduction bars

There are several abduction bars available. Select the desired size first. Mount the bars using the screws supplied with the corrective joint. Tighten and secure the screws with Loctite. Make sure that you have installed and positioned the anchor plates on the plaster model before vacuum forming.

Aligning the MultiMotion dynamic hip abduction system

The system has an infinitely variable abduction force setting and is equipped with abduction-/adduction stops, adjustable in increments of 12 ° (Small) or 14 ° (Regular). The maximum R.O.M./ angle of the orthosis varies from 0 ° to 120 °. In addition, the bars also have a rotation adjustment for physiologically correct alignment and positioning of the hip. To do this, loosen the Allen screw on the back of the rotation setting. For the desired rotation, read the setting (-40 ° to 40 °) from the scale and tighten the screw again.

Quick Release

To quickly and easily remove the abduction bars from the orthosis, loosen the screws below the rotation setting. Two to three turns will do. Slide the bars sideways from the orthosis. Take the bars away from the orthosis and put them aside i.e. for easy diaper changes, etc...

Cleaning instructions

The aluminum parts of the abduction system may be cleaned with warm water or naphtha. Try to keep the joint free from dust and dirt as much as possible. The synthetic joint components may be cleaned with naphtha, but are unsuitable for aggressive agents such as acetone or similar. Try to keep the joint free from dust and dirt as much as possible. The joint should always be sufficiently greased. Use a standard white grease (e.g. Molycoat GS4500) to grease the joint.

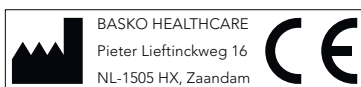
Liability

Basko Healthcare as the manufacturer is solely liable if the product is used in accordance with the prescribed conditions and the purpose for which it is intended. Basko Healthcare recommends handling the product in accordance with applicable rules and performing maintenance as described in these user instructions. Non-compliance with the above may cause the MultiMotion joints and abduction system to not function or function inadequately and may impact guarantee.

Changes, adjustments and modifications to the product not described in these instructions, are the responsibility and liability of the person who performs them.

CE conformity

These products meet requirements in Directive 93/42/EEC for medical devices. These products have been included in Class I based on classification criteria for medical devices as per annex Ix of the Directive. Basko Healthcare therefore wrote up this conformity statement entirely at its own responsibility as per annex VII of the Directive.



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