

MultiMotion

Dynamic Hip Abduction System for pediatrics

Intended use: Treatment of correctable contractures

Functional restrictions according to ICF

Joint mobility

Joint stability

Muscle strength

Muscle tone

Movement pattern while walking





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Dynamic Hip Abduction System for pediatrics

This system is assembled on a custom made leg orthosis and provides for a dynamic stretch to the coronal plane (the adductors), while statically allowing the practitioner to set the rotation angle of the hip. This allows for the leg to be positioned in a physiologically correct way and to stabilize the hip joint. The adductors are successively, precise and evenly stretched. As a result, the growth of the truncated tissue can be stimulated and atrophied tissue is repaired.

Indications

- Diplegia, spastic (ICD10: G80.1)
- Hip joint subluxation (ICD10: Q65.5)
- Tetraplegia, spastic (ICD10: G80.0)
- Triplegia, spastic (ICD10: G80.9)

Features

- Adjustable dynamic tension
- Abduction-/Adduction stops adjustable increments
12° (Small) and 14° (Regular)
- Adjustable internal/external rotation (-40° to +40°)
- Quick release, easily disconnects uprights from brace
- Uprights telescope to accommodate growth
- Material: joint: aluminum, steel, brass, PC-/ABS-plastic;
Uprights: anodized aluminum

Product functionality

- Infinitely adjustable dynamic abduction of the hip joint
- Limiting the adduction or abduction of the hip joint
- Locking the hip abduction and adduction
- Rotation setting of the hip

Benefits in achieving therapy targets

- Improvement/restoration of joint mobility
- Safe and step-wise joint mobilization
- Extension/mobilization of spastic musculature
- Improvement of the resting position
- Prevention of cartilage damage and ulcers

Ordering information

The MultiMotion dynamic hip abduction system for children consists of two components, the corrective joint and abduction uprights. Both components are available in size Small and Regular and can also be ordered separately from each other.

MultiMotion corrective joint

Art.-no.	Size	Maximum Torque Output	Diameter Housing	Weight Joint	Patient Age
MM-200	small	3,4 Nm	35 mm	77 g	< 4 year
MM-100	regular	10,2 Nm	35 mm	180 g	> 4 year

MultiMotion abduction upright

Art.-no.	Size	Body length
MM-HA-S	small	< 105 cm
MM-HA-R	regular	> 105 cm