


Home More



Project

A myofascial approach for rehabilitation of children with severe handicaps (Cerebral Palsy level 4/5)

 Roeland Vollaard

Goal: We want to know if a myofascial approach gives children with severe handicaps (CP level IV and V) better and more sustainable rehabilitation results than the regular muskelo-skeletal approach.

[Show details](#)

Updates	0	0 new
Recommendations	0	0 new
<u>Followers</u>	3	0 new
Reads	45	0 new

[Add research](#)

Add update

Overview

Project log

References (46)

Questions

Background

Goal:[Edit](#)

We want to know if a myofascial approach gives children with severe handicaps (CP level IV and V) better and more sustainable rehabilitation results than the regular muskelo-skeletal approach.

So far the severe braindamage cannot be repaired for those children, and this makes it less likely that rehabilitation based on the central nervous system can be very succesfull. The curves of the Gross Motor Function Measure Scale show that clearly for children with CP IV and V.

The growing understanding of the important and basic rol that fascia plays in all aspects of our body, and the fact that the quality of the fascia in these children will be poor because of the prominent lack of movement, gives reason to the thought that we should base the rehabilitation on the myofascial structures and the autonomic nervous system.

References:[Add references](#)

46 references [View all](#)

Hypothesis

Hypothesis:

[Edit](#)

Children with CP level 4/5 will have more profit of a rehabilitation that focusses on Myofascial structures than a rehabilitation that focusses on Muskeloskeletal structures.

Experiments:

[Edit](#)

5 Children with severe handicaps (CP-level 4-5, average age at the start 10.2 years) are followed during 2 years of Advanced Biomechanical Rehabilitation (ABR).

ABR is a therapy that addresses the (myo)fascia in a specifik way.

Period: february 2018 till february 2020. From february till may 2020 we will write an artikel about it.

The progress of the 5 children wil be measured in yearly assessments of the ABR-centre in Hasselt (Belgium), including 2.000 pictures each assessment. (T0 january 2018, T1 january 2019, and T2 january 2020)

With the parents we fill in the CPCHILD-DV questionnaire as a quality-of life measurement. Three times during the intervention.

With Ultrasound Tissue Characterization (UTC) en Elastografy we will look at the development of some of the tissues that are approached by ABR. Also 3 times during the intervention.

Each child will also be measured every 6 months by 2 specialised physical therapist, they will score the Range of Motion of the joints (ROM), and the Gross Motor Function Measurement (GMFM)

Methods:

[Add methods](#)

Not available

Results:

[Add results](#)

Not available

Conclusion

Project conclusion:

[Add project conclusion](#)

Not available

Published research:

[Add research](#)

Not available