

Interrater and intrarater reliability of the ABILHAND Kids in children with cerebral palsy

Published: 28-03-2011

Last updated: 27-04-2024

- to determine possible differences in the results of the ABILHAND kids questionnaire between parent, occupational therapist and rehabilitation doctor- variance of the results in time

Ethical review	Approved WMO
Status	Recruiting
Health condition type	Encephalopathies
Study type	Observational non invasive

Summary

ID

NL-OMON36762

Source

ToetsingOnline

Brief title

Reliability ABILHAND Kids

Condition

- Encephalopathies

Synonym

Encephalopathy, spastic movement disorder

Research involving

Human

Sponsors and support

Primary sponsor: Vogellanden, Centrum voor Revalidatie

Source(s) of monetary or material Support: De Vogellanden;Isala klinieken en orthopedisch instrumentmaker worden benaderd voor sponsoring

Intervention

Keyword: ABILHAND kids, Cerebral Palsy, Child, Questionnaire

Outcome measures

Primary outcome

Estimates of variance components.

Secondary outcome

nvt

Study description

Background summary

The ABILHAND-Kids questionnaire is a measure of manual ability for children with upper limb impairments. The scale measures a person's ability to manage daily activities as a test focused on the child's difficulty perceived by the child's parents. The questionnaire has been validated in cerebral palsy children (age 6-15). The questionnaire was developed using the Rasch measurement model. The ABILHAND kids consists of 21 manual activities perceived by the children parents. Each item is answered on a 3-level scale (impossible, difficult, easy) and item difficulty increases with bimanual involvement. There is no specific training needed.

In the literature there is insufficient evidence concerning the reliability of the ABILHAND kids. The test retest reliability was only described by the Pearson's r correlation coefficient (0.91). There remain insufficiencies about the interpretation of the results and further research is needed.

Study objective

- to determine possible differences in the results of the ABILHAND kids questionnaire between parent, occupational therapist and rehabilitation doctor
- variance of the results in time

Study design

All children receive rehabilitation therapy. The 21 items of the ABILHAND kids questionnaire are recorded on video in a regular therapy session of 30 minutes. Of each child two video's are recorded, the last one 1 to 2 weeks after the first. All raters watch both video's and the results between the three raters

are compared. The parents also fill in the questionnaire based on their memory.

Study burden and risks

The risks of scoring the questionnaire and the video observation are negligible and is a non invasive measurement tool. The questionnaire is yet a frequent used measurement tool in rehabilitation settings for children (including Zwolle). Because the video's are recorded in regular therapy sessions, the extra burden is marginal. These children are also used to video recording on regular basis to evaluate i.e. hand function.

Contacts

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Trial sites

Listed location countries

Netherlands

Eligibility criteria

Age

Adolescents (12-15 years)
Adolescents (16-17 years)
Children (2-11 years)

Inclusion criteria

- children with spastic unilateral and bilateral cerebral palsy
- GMFCS level 1 - 5
- age between 4-16 year
- IQ > 60 (without major intellectual deficits)

Exclusion criteria

- Dyskinetic/atactic cerebral palsy
- intervention assisting hand 6 months prior of the study (Botulinum toxin, surgery)
- hearing disorder/loss

Study design

Design

Study type: Observational non invasive

Masking: Open (masking not used)

Control: Uncontrolled

Primary purpose: Diagnostic

Recruitment

NL

Recruitment status: Recruiting

Start date (anticipated): 01-05-2011

Enrollment: 30

Type: Actual

Ethics review

Approved WMO

Date: 28-03-2011

Application type: First submission

Review commission: METC Isala Klinieken (Zwolle)

Study registrations

Followed up by the following (possibly more current) registration

No registrations found.

Other (possibly less up-to-date) registrations in this register

No registrations found.

In other registers

Register	ID
CCMO	NL35028.075.11