

Development of a Test to Measure the Quality of Motor Activities of Daily Living in Children with DCD

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The development of a valid and reliable test intended to measure functional motor activities in daily life of children with DCD.

Ethical review	Approved WMO
Status	Pending
Health condition type	Movement disorders (incl parkinsonism)
Study type	Observational non invasive

Summary

ID

NL-OMON33789

Source

ToetsingOnline

Brief title

Development of the DCDDaily

Condition

- Movement disorders (incl parkinsonism)

Synonym

clumsiness, dyspraxia

Research involving

Human

Sponsors and support

Primary sponsor: Universitair Medisch Centrum Groningen

Source(s) of monetary or material Support: Ministerie van OC&W

Intervention

Keyword: Activities of Daily Living, Developmental Coordination Disorder, Functional Test

Outcome measures

Primary outcome

Scores on the newly developed test.

Secondary outcome

not applicable

Study description

Background summary

Children with Developmental Coordination Disorder (DCD) experience impairments motor difficulties at home and at school, without a general medical condition. Motor difficulties in daily life are important in the DSM criteria for DCD, and often form the main reason for referral to therapy. However, at the moment, no test exists that measures functional motor activities of daily living in children.

Study objective

The development of a valid and reliable test intended to measure functional motor activities in daily life of children with DCD.

Study design

The test will be developed based on a literature study (content validity) and based on opinions of experts (face validity). A pilot version of the test will be assessed to 3 children, to assess usability of the test. After that, the test will be assessed to a group of children with DCD and a group typically developing children. The performances of the children in the pilot test will be compared to their performances on de Movement-ABC, the golden standard in motor assessments, and to two commonly used and relevant questionnaires, the DCDQ and the GMO (construct validity). Further, the test-retest reliability and inter observer agreement will be tested. Finally, a factor analysis will show the factor structure. Based on these results, the definite version of the test will be constructed.

Study burden and risks

The children diagnosed with DCD are already in therapy. The M-ABC, the DCDQ and the GMO are already assessed. The activities of this test are normally practiced during therapy, although they are assessed systematically and standardised during the test. Participation in this study does not change the content of a normal therapy, no extra burdens are related to participation. For the typically developing children, participation will mean extra effort. However, for the development of the test, this group is necessary because the test needs to differentiate between children with and without DCD. The extra effort will be small, it takes only one hour.

To perform the test, for both groups, means to perform activities of daily living that are known and not new. Participation in this study will therefore not be an extra risk, compared to a normal day.

Contacts

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Trial sites

Listed location countries

Netherlands

Eligibility criteria

Age

Children (2-11 years)

Inclusion criteria

5-8 years old
diagnosed with DCD

Exclusion criteria

No relevant comorbidities
No pathological disease that hinders functional motor activities

Study design

Design

Study type: Observational non invasive
Masking: Open (masking not used)
Control: Uncontrolled
Primary purpose: Diagnostic

Recruitment

NL
Recruitment status: Pending
Start date (anticipated): 01-09-2007
Enrollment: 500
Type: Anticipated

Ethics review

Approved WMO
Application type: First submission
Review commission: METC Universitair Medisch Centrum Groningen (Groningen)

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	NL16920.042.07