The psychometric properties of the Zuidwester Balans Schaal (ZBS).

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The objective is to research the psychometric properties (feasability, reliability and validity) of the Zuidwester Balans Schaal.

Ethical review	Approved WMO
Status	Recruitment stopped
Health condition type	Other condition
Study type	Observational non invasive

Summary

ID

NL-OMON46449

Source
ToetsingOnline

Brief title
Zuidwester Balans Schaal (ZBS)

Condition

- Other condition
- Neurological disorders congenital
- Cognitive and attention disorders and disturbances

Synonym
balance, equilibrium

Health condition

verstandelijke beperking

Research involving
Human

Sponsors and support

Primary sponsor: Zuidwester
Source(s) of monetary or material Support: Het onderzoek wordt volledig gefinancierd door Zuidwester.

Intervention

Keyword: balance, intellectual disabilities, measuring tool, psychometric properties

Outcome measures

Primary outcome

The primary parameter of the present study is the feasibility of the ZBS. The feasibility is divided based on the percentage of participants who performed the ZBS according to the criteria. Feasibility is determined for the total ZBS, the subscales and the seperate items, and classified as low (<25%), moderate (>25-50%), good (50-75%) and excellent (>75%).

Secondary outcome

In addition to the feasibility of the ZBS the reliability (intra- and interrater reliability and internal consistency) and convergent validity (compared to the POMA, 10 meter walk test and Barthel Index) are investigated.

Study description

Background summary

One of the major health issues for people with intellectual disabilities is frequent falling accompanied with injuries. In the care for elderly people without intellectual disabilities measuring tools for assessing the fall risk are used to adjust or evaluate a fall prevention program. However, not all measuring tools are suitable for people with intellectual disabilities because of their limited cognitive capacities and comorbidity. Physical therapists are faced with limitations in the feasibility of existing measuring tools in the area of visual impairment, hearing impairment, mobility, comprehension and

behavior. In 2009 we started with the development of the Zuidwester Balans Schaal (ZBS), a measuring tool which is intended to measure balance in sitting and standing position and during walking with people with intellectual disabilities. Development of the ZBS was focused on finding solutions for the limitations in testing with common measuring tools. Having a feasible, reliable and valid measuring tool gives the physical therapist the possibility to measure the effect of therapy or fall training and measure progress of deterioration over time.

Study objective

The objective is to research the psychometric properties (feasability, reliability and validity) of the Zuidwester Balans Schaal.

Study design

Cross-sectional, non-invasive research

Study burden and risks

Due to the specific characteristics of the research population the research question can only be answered through execution with this population. Participation in the present research brings negligible risk. The measurements are of low intensity and are performed by physical therapists who have experience with the research population and warrant their safety during the measurements. Exclusion criteria are drawn up to optimalise the safety.

Contacts

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Zuidwester

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Scientific
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Trial sites

Listed location countries

Netherlands

Eligibility criteria

Age
Adults (18-64 years)
Elderly (65 years and older)

Inclusion criteria

Inclusion criteria for participation:
* Minimum age of forty
* Moderate (IQ 35/40 - 50/55) to severe (IQ 20-25 - 35/40) intellectual disability
* The participant is able to understand short motorial tasks. The researcher is allowed to use verbal, visual and/or manual instructions according to the test protocol.

Exclusion criteria

Exclusion criteria:
* The acting behavioral expert finds that participation would worsen the present behavioral problems or lead to psychological overload to the extent that participation would lead to an unsafe or unwanted situation for the participant, researchers or care staff, in the period before, during or after testing.
* the physician indicates that, due to temporary or chronic medical problems, the participant is not able to participate because this would lead to physical overload with negative effects in the period before, during or after testing.
* the participant is wheelchair bound and unable to stand independently.
* the participant lives in the West-Brabant region

Study design

Design

Study type: Observational non invasive

Masking:	Open (masking not used)
Control:	Uncontrolled
Primary purpose:	Diagnostic

Recruitment

NL

Recruitment status:	Recruitment stopped
Start date (anticipated):	06-04-2018
Enrollment:	78
Type:	Actual

Ethics review

Approved WMO

Date:	16-03-2018
Application type:	First submission
Review commission:	METC Erasmus MC, Universitair Medisch Centrum Rotterdam (Rotterdam)

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	NL63570.078.17

Study results

Date completed:	24-01-2019
Actual enrolment:	86