

Effects of age on balance control: balancing on a narrow ridge

Published: 05-04-2007

Last updated: 08-05-2024

Determine norm values for able bodied people on a balance test also suitable for lower limb amputees

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

Summary

ID

NL-OMON31083

Source

ToetsingOnline

Brief title

Effects of age on balance control

Condition

- Other condition

Synonym

age

Health condition

effects of age on balance control

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: age, balance control

Outcome measures

Primary outcome

The main outcome measures for the balance tasks are CoP and CoM displacement, as well as time in balance and ridge width.

Secondary outcome

not applicable

Study description

Background summary

The decline in postural control is a substantial health problem among the elderly population. Considering that the majority of lower limb amputees are geriatric this poses a particular problem. For elderly amputees, balance control is a crucial factor in regaining mobility. A reliable assessment of balance control is therefore very important for the prediction of the recovery process and the choice of most efficient treatment and rehabilitation programs. However, despite the great variety of balance tests, existing tests are of very limited usability for the assessment of postural stability in lower limb amputees, mainly due to their reliance on two sound legs.

Study objective

Determine norm values for able bodied people on a balance test also suitable for lower limb amputees

Study design

Cross-sectional study

Study burden and risks

During the balance tasks the subjects are secured by a safety harness attached to the ceiling. The time expenditure for the single test session won't exceed a

maximal duration of * hour.

Contacts

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Trial sites

Listed location countries

Netherlands

Eligibility criteria

Age

Adults (18-64 years)

Elderly (65 years and older)

Inclusion criteria

between 20 and 80 years old

Exclusion criteria

addiction to drugs or alcohol

serious visual problems (visual problems that can not be corrected to normal by the use of glasses)

neurological problems or other diseases that interfere with equilibrium
use of antipsychotic, sedative or antidepressant drugs (except amitriptyline)
otitis media
cerebral vascular accident
pregnancy
amblyacousia

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): 01-04-2007

Enrollment: 66

Type: Anticipated

Ethics review

Approved WMO

Date: 05-04-2007

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	NL16879.042.07