What is the relation between stiffness in the affected extremity and functional recovery in CVA-patients?

Published: 16-07-2007
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To demonstrate the relation between the passive stiffness and the functional recovery of the CVA-patients. The passive stiffness will be measured clinicaly and instrumentaly.

Ethical review	Approved WMO
Status	Pending
Health condition type	Musculoskeletal and connective tissue disorders NEC
Study type	Observational non invasive

Summary

ID

NL-OMON30807

Source
ToetsingOnline

Brief title
stiffness in the affected extremity and functional recovery in CVA-patients

Condition

- Musculoskeletal and connective tissue disorders NEC
- Central nervous system vascular disorders
- Vascular disorders NEC

Synonym
apoplexia, stroke

Research involving
Human

Sponsors and support

Primary sponsor: Leids Universitair Medisch Centrum
Source(s) of monetary or material Support: Ministerie van OC&W

Intervention

Keyword: hypertonia, locomotion., spasticity, Stroke

Outcome measures

Primary outcome

Timed up and go test (seconds) and the relation with stiffness (Modified

Ashworth Scale and ankle pertubation)

Secondary outcome

Relation between stiffness (Modified Ashworth Scale vs ankle pertubation)

Study description

Background summary

After a CVA the muscle tone changes in the affected limbs. After initial paralysis, the leg and arm will become stiff (hypertnia and spastic). These changes will affect the movements and activities in normal daily life.
In this study the relation between stiffness and functional recovery will be investigaded. After the study it will become clear whether or not the stiffness is beneficial for the individual patient.

Study objective

To demonstrate the relation between the passive stiffness and the functional recovery of the CVA-patients. The passive stiffness will be measured clinicaly and instrumentaly.

Study design

It is a cross-sectional cohort study.
In this study there will be three tests and a questionnaire. The muscle tone (clinical stiffness) will be measured with the Modified Aswoth scale, the instrumental stiffness will be measured with an ankle pertubator and the functional recovery will be measured with the Timed up-and-go-test.

Study burden and risks

No riscs are connected to participating in this study. And the study is not a burden for the patient.

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

patients who have had a stroke between half a year and two years ago

Exclusion criteria

Cognitive or a language disturbances preventing the follow up of instructions, an existing walking dissability, an ankle arthrodesis of the affected ankle, or the inability to walk. Pain in

the affected limb during ambulation is an exclusion critrion

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):	26-03-2007
Enrollment:	20
Type:	Anticipated

Ethics review

Approved WMO

Application type:	First submission
Review commission:	METC Leids Universitair Medisch Centrum (Leiden)

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	NL15952.058.07