

Gaze tracking during upper extremity movements in stroke

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Ethische beoordeling	Positief advies
Status	Werving gestart
Type aandoening	-
Onderzoekstype	Interventie onderzoek

Samenvatting

ID

NL-OMON24214

Bron

Nationaal Trial Register

Aandoening

Stroke, upper extremity function

Ondersteuning

Primaire sponsor: Roessingh Research and Development

Overige ondersteuning: H2020, grant agreement number 644000

Onderzoeksproduct en/of interventie

Uitkomstmaten

Primaire uitkomstmaten

Main study parameters represent event-related gaze behaviour during the movement tasks, by calculating proportions of task duration with gaze focused on task-relevant objects (TRO gaze), on task-relevant body parts (TRB gaze), and on task-irrelevant objects (TIO gaze) (expressed in percentages of total task duration).

Toelichting onderzoek

Achtergrond van het onderzoek

Objective: The primary objective is to gain insight into gaze behaviour of stroke survivors during active execution of upper extremity movements.

Study design: The current study is an observational study with one measurement session per participant.

Study population: In total, 20 stroke patients and 10 healthy subjects, with an age between 18-80 years old, will participate in this study.

Intervention (if applicable): Not applicable.

Main study parameters/endpoints: Main study parameters represent event-related gaze behaviour during the movement tasks, by calculating proportions of task duration with gaze focused on task-relevant objects (TRO gaze), on task-relevant body parts (TRB gaze), and on task-irrelevant objects (TIO gaze) (expressed in percentages of total task duration).

Doel van het onderzoek

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Onderzoeksopzet

The current study is an observational study with one measurement session per participant.

Onderzoeksproduct en/of interventie

GAze behavior is tracked during the following 3D tasks

Reach task

Reach and grasp of cylindrical object

Reach and replace of cylindrical object

Bimanual drinking task

Contactpersonen

Publiek

Roessingh Research and Development
Postbus 310

A.L. van Ommeren
Enschede 7500 AH
The Netherlands

Wetenschappelijk

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Deelname eisen

Belangrijkste voorwaarden om deel te mogen nemen (Inclusiecriteria)

Patients should be clinically diagnosed with unilateral, either right or left sided, middle cerebral artery stroke (ischemic or hemorrhagic)

Between 18-80 years of age

Time since onset of disease is at least one week

Sufficient cognitive status to understand two-step instructions

Patients should be able to lift their affected arm on the table and to grasp a cylindrical object while seated in a chair

Provide written informed consent

Healthy subjects

Between 18-80 years of age

Sufficient cognitive status to understand two-step instructions

Provide written informed consent

Belangrijkste redenen om niet deel te kunnen nemen (Exclusiecriteria)

People with severe acute pain of the (affected) arm and hand

People having insufficient knowledge of the Dutch language to understand the purpose or methods of the study

People with visual deficits; either ophthalmic (e.g. wearing glasses or lenses stronger than -5 or + 3) or cerebral

Severe contractures limiting passive range of motion in the UE

Co-morbidities limiting functional use of the arm and hand

Onderzoeksopzet

Opzet

Type:	Interventie onderzoek
Onderzoeksmodel:	Anders
Blinding:	Open / niet geblindeerd
Controle:	N.v.t. / onbekend

Deelname

Nederland	
Status:	Werving gestart
(Verwachte) startdatum:	26-04-2017
Aantal proefpersonen:	30
Type:	Verwachte startdatum

Ethische beoordeling

Positief advies

Datum: 09-10-2017

Soort: Eerste indiening

Registraties

Opgevolgd door onderstaande (mogelijk meer actuele) registratie

ID: 45658

Bron: ToetsingOnline

Titel:

Andere (mogelijk minder actuele) registraties in dit register

Geen registraties gevonden.

In overige registers

Register	ID
NTR-new	NL6563
NTR-old	NTR6744
CCMO	NL59420.044.16
OMON	NL-OMON45658

Resultaten

Samenvatting resultaten

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