

Mirror therapy in patients with peripheral nerve injury of the upper extremity; a randomized clinical trial.

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Mirror therapy in patients with peripheral nerve injury of the upper extremity has a positive effect on muscle strength, sensibility, cold intolerance, pain, and ADL compared to standard treatment.

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

Samenvatting

ID

NL-OMON27809

Bron

NTR

Verkorte titel

Mirror therapy in peripheral nerve injury.

Aandoening

Peripheral nerve injury.

Ondersteuning

Overige ondersteuning: Mrace, Erasmus MC- University Medical Center Rotterdam

Onderzoeksproduct en/of interventie

Uitkomstmaten

Primaire uitkomstmaten

Muscle strength and sensibility.

Toelichting onderzoek

Achtergrond van het onderzoek

The recovery of hand function after nerve injury is often disappointing. Recent studies show that the brain adapts to the loss of nerve function in such a way that the hand representation is lost after several weeks. The hypothesis of the present study is that providing the brain with the illusion of a 'normal' hand might slow this process in the first weeks of recovery, and may help in regaining the lost function when the peripheral nerve recovers.

In the present single-blind randomized clinical trial, the patient will be watching a mirror reflection of the normal hand projected over the affected hand. Training will be structured using a DVD with photos and movies of a normal moving hand. The mirror treatment is additional to standard therapy. Outcome will be compared to a standard treatment group with similar treatment intensity. Primary outcome is muscle strength and sensibility. Secondary outcome is cold intolerance, pain, and ADL.

Doel van het onderzoek

Mirror therapy in patients with peripheral nerve injury of the upper extremity has a positive effect on muscle strength, sensibility, cold intolerance, pain, and ADL compared to standard treatment.

Onderzoeksopzet

N/A

Onderzoeksproduct en/of interventie

Mirror therapy compared to standard treatment.

Contactpersonen

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Wetenschappelijk

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Deelname eisen

Belangrijkste voorwaarden om deel te mogen nemen (Inclusiecriteria)

Adults with ulnar and/or median nerve injuries between elbow and wrist level.

Belangrijkste redenen om niet deel te kunnen nemen (Exclusiecriteria)

Co-morbidity that may influence treatment outcome, such as diabetes or MS lack of motivation.

Onderzoeksopzet

Opzet

Type:	Interventie onderzoek
Onderzoeksmodel:	Parallel
Toewijzing:	Gerandomiseerd
Blindering:	Enkelblind
Controle:	Geneesmiddel

Deelname

Nederland
Status: Werving gestopt
(Verwachte) startdatum: 01-12-2005
Aantal proefpersonen: 34
Type: Werkelijke startdatum

Ethische beoordeling

Positief advies
Datum: 28-11-2005
Soort: Eerste indiening

Registraties

Opgevolgd door onderstaande (mogelijk meer actuele) registratie

Geen registraties gevonden.

Andere (mogelijk minder actuele) registraties in dit register

Geen registraties gevonden.

In overige registers

Register	ID
NTR-new	NL497
NTR-old	NTR539
Ander register	: N/A
ISRCTN	Incomplete data for ISRCTN

Resultaten

Samenvatting resultaten

N/A