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

No registrations found.

Ethical review	Positive opinion
Status	Recruitment stopped
Health condition type	-
Study type	Interventional

Summary

ID

NL-OMON27809

Source
NTR

Brief title
Mirror therapy in peripheral nerve injury.

Health condition

Peripheral nerve injury.

Sponsors and support

Source(s) of monetary or material Support: Mrace, Erasmus MC- University Medical Center Rotterdam

Intervention

Outcome measures

Primary outcome

Muscle strength and sensibility.

Secondary outcome

1. Cold intolerance;

2. Pain;

3. ADL.

Study description

Background summary

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.

Study objective

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.

Study design

N/A

Intervention

Mirror therapy compared to standard treatment.

Contacts

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Eligibility criteria

Inclusion criteria

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

Exclusion criteria

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

Study design

Design

Study type:	Interventional
Intervention model:	Parallel
Allocation:	Randomized controlled trial
Masking:	Single blinded (masking used)
Control:	Active

Recruitment

NL

Recruitment status:	Recruitment stopped
Start date (anticipated):	01-12-2005
Enrollment:	34
Type:	Actual

Ethics review

Positive opinion

Date:	28-11-2005
Application type:	First submission

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
NTR-new	NL497
NTR-old	NTR539
Other	: N/A
ISRCTN	Incomplete data for ISRCTN

Study results

Summary results

N/A