Mirror therapy in patients with CRPS I 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-OMON25475

Source
Nationaal Trial Register

Brief title
Mirror therapy in CRPS I

Health condition

Complex regional pain syndrome type 1 (CRPS I)

Sponsors and support

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

Intervention

Outcome measures

Primary outcome

Pain.

Secondary outcome

1. Hand function

2. ADL;

3. Oedema;

4. Sensibility;

5. Quality of life.

Study description

Background summary

Mirror therapy was introduced by Ramachandran in patient with phantom limb pain and is based on new knowledge about the plasticity of the brain. Recently, studies in patients with CRPS have suggested that exercising with the painful hand behind a mirror and watching a reflection of the normal hand will give the brain the illusion that the hand is now able to move normally.
In these controlled but undersized studies, positive effects were reported on pain, oedema and hand function.

In the present single-blind randomized clinical trial, mirror therapy will be presented in three phases:

1. one week Recognition of Hand Laterality using pictures of left and right hand;

2. one week of Imagined Hand Movements;

3. four weeks of mirror therapy.

The control group will receive treatment following standard treatment guidelines.
The primary outcome of this study is pain, and secondary outcomes are hand function, ADL, oedema, sensibility, and quality of life.

Study objective

Mirror therapy in patients with CRPS I has a positive effect on pain, oedema, sensibility, hand function, ADL and quality of life compared to standard treatment.

Study design

N/A

Intervention

Mirror therapy versus standard treatment.

Contacts

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Eligibility criteria

Inclusion criteria

Modified research diagnostic criteria for CRPS-1 based on Bruehl 1999.

Exclusion criteria

1. Treatment for CRPS-I in an other institution;

2. Psychiatric problems;

3. 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:	52
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	NL488
NTR-old	NTR530
Other	: N/A
ISRCTN	ISRCTN68438240

Study results

Summary results
N/A