

Treatment of Complex Regional Pain Syndrome Type I with Mirror Therapy.

No registrations found.

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

Summary

ID

NL-OMON25778

Source

NTR

Brief title

Treatment of Complex Regional Pain Syndrome Type I with Mirror Therapy

Health condition

Complex Regional Pain Syndrome of the upper extremity.

Sponsors and support

Primary sponsor: -

Source(s) of monetary or material Support: -

Intervention

Outcome measures

Primary outcome

Activity: Action Research Arm test.

Secondary outcome

1. Function of the upper extremity: pain (VAS), mobility (Range of Motion), grip strenght

(Jamar), sensibility (monofilaments);

2. Activity: Radbout Skills Questionair.

Study description

Background summary

CRPS-I is characterized by pain, oedema and sympathetic dysfunction and is generally preceded by trauma.

The cause is however not known. We hypothesise that a central factor in the movement planning may play a role, which expresses as 'fear to move'.

In order to intervene, mirror therapy is applied in combination with the regular therapy. Mirror therapy is based on the principle that reflection of the healthy arm causes the illusion that the injured arm moves simultaneous and symmetrical with the healthy arm and thus stimulates the cortical representation of the injured arm.

In a randomised study of 20 acute CRPS-1 patients (based on the IASP-criteria), all patients receive regular physiotherapy and 10 subjects receive additional mirror therapy.

Primary outcome is arm function, quantified by the Action Research Arm Test (ARA). Secondary outcome parameters are pain (VAS), mobility (Range of Motion), grip strength (JAMAR), sensibility (monofilaments) and the Radbout Skills Questionair.

Study objective

The hypothesis of this study is that mirror therapy stimulates cortical representation of the upper extremity. The functionality of the upper extremity will improve more than with only conservative therapy.

Study design

N/A

Intervention

Mirror therapy.

Contacts

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Eligibility criteria

Inclusion criteria

1. Patients with CRPS I of one upper extremity.(following IASP-criteria);
2. It exists for less than 8 months;
3. Patient is over 18 years of age.

Exclusion criteria

1. Dysfunction of the other upper extremity;
2. Sympathectomy;
3. Little motivation;
4. Treatment for CRPS-I in an other institution simultaneous;
5. Psychiatric problems.

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):	01-01-2005
Enrollment:	20
Type:	Actual

Ethics review

Positive opinion	
Date:	09-09-2005
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	NL260
NTR-old	NTR298
Other	: N/A
ISRCTN	ISRCTN97144266

Study results

Summary results

N/A