

# Promotion of cerebral plasticity by mirror therapy - evaluation of a new therapy approach for neurological rehabilitation

<b>Submission date</b> 27/02/2006	<b>Recruitment status</b> No longer recruiting	<input type="checkbox"/> Prospectively registered
<b>Registration date</b> 22/03/2006	<b>Overall study status</b> Completed	<input type="checkbox"/> Protocol
<b>Last Edited</b> 26/06/2009	<b>Condition category</b> Nervous System Diseases	<input type="checkbox"/> Statistical analysis plan
		<input checked="" type="checkbox"/> Results
		<input type="checkbox"/> Individual participant data

## Plain English summary of protocol

Not provided at time of registration

## Contact information

### Type(s)

Scientific

### Contact name

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### Contact details

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## Additional identifiers

### Protocol serial number

0315

## Study information

**Scientific Title**

Effect of mirror therapy early after stroke: a randomised, single-blinded, placebo-controlled trial

**Study objectives**

Patients after a first-ever, single stroke in the middle cerebral artery (MCA) area show a significantly better outcome when treated for six weeks with additional mirror training compared to six weeks of additional training with a direct view of their affected hand.

**Ethics approval required**

Old ethics approval format

**Ethics approval(s)**

Ethics Committee of the Physicians Chamber North Rhein (Arztekammer Nordrhein) (General Medical Council) approved on the 14th July 2004 (ref: 2004189)

**Study design**

Randomised single-blinded placebo-controlled trial

**Primary study design**

Interventional

**Study type(s)**

Quality of life

**Health condition(s) or problem(s) studied**

First-ever, single stroke in the MCA territory not more than eight weeks prior to study inclusion

**Interventions**

Additional occupational therapy for six weeks (30 minutes a day, 5 days a week) - mirror training versus training with a direct view of the affected hand

**Intervention Type**

Other

**Phase**

Not Applicable

**Primary outcome(s)**

Fugl Meyer (FM) score after six weeks of intervention

**Key secondary outcome(s)**

1. Action research arm test (ARAT) score after six weeks of intervention
2. Functional independence measure (FIM) score after six weeks of intervention

**Completion date**

31/08/2006

**Eligibility****Key inclusion criteria**

1. First ever, single stroke in the MCA territory not more than eight weeks prior to study inclusion
2. Aged 30 to 80 years
3. Severe hemiparesis
4. Cardiovascular stability for participation at several therapy units a day
5. Communication level allowing obedience to therapy protocol
6. Written informed consent

**Participant type(s)**

Patient

**Healthy volunteers allowed**

No

**Age group**

Adult

**Sex**

All

**Key exclusion criteria**

1. Multiple strokes
2. Significant hemorrhagic imbibition
3. Prior hemicranectomy
4. Restricted mobility of the upper extremity by orthopedic, rheumatologic or other concomitant disease

**Date of first enrolment**

01/07/2004

**Date of final enrolment**

31/08/2006

**Locations****Countries of recruitment**

Germany

**Study participating centre**

**MEDIAN Klinik Berlin**

Berlin

Germany

D-14089

**Sponsor information**

## Organisation

Refonet (Germany)

## ROR

<https://ror.org/04yeh2x21>

## Funder(s)

### Funder type

Industry

### Funder Name

Refonet (Germany) (ref: 3015)

## Results and Publications

### Individual participant data (IPD) sharing plan

#### IPD sharing plan summary

Not provided at time of registration

### Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
<a href="#">Results article</a>	results	01/03/2009		Yes	No
<a href="#">Participant information sheet</a>	Participant information sheet	11/11/2025	11/11/2025	No	Yes
<a href="#">Study website</a>	Study website	11/11/2025	11/11/2025	No	Yes