

# Efficacy of client-centred occupational therapy in patients with multiple sclerosis: a cluster-randomised trial

**Submission date**  
16/01/2007

**Recruitment status**  
No longer recruiting

☐ Prospectively registered

☐ Protocol

**Registration date**  
16/01/2007

**Overall study status**  
Completed

☐ Statistical analysis plan

☒ Results

**Last Edited**  
14/01/2021

**Condition category**  
Nervous System Diseases

☐ 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

NL830, NTR843

## Study information

Scientific Title

Efficacy of client-centred occupational therapy in patients with multiple sclerosis: a cluster-randomised trial

## **Acronym**

MUSCOT

## **Study objectives**

Client-centred occupational therapy according to the Occupational Performance Process Model will be more effective in improving daily functioning and societal participation of patients with multiple sclerosis than usual-care occupational therapy.

## **Ethics approval required**

Old ethics approval format

## **Ethics approval(s)**

Ethics approval received from the local medical ethics committee

## **Study design**

Randomised, controlled, parallel group, double blinded, multicentre trial

## **Primary study design**

Interventional

## **Study type(s)**

Treatment

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

Multiple sclerosis (MS)

## **Interventions**

Experimental intervention: client-centred occupational therapy according to the Occupational Performance Process Model (OPPM).

Control intervention: usual-care occupational therapy.

## **Intervention Type**

Other

## **Phase**

Not Specified

## **Primary outcome(s)**

1. Disability Impact Profile (DIP) questionnaire
2. Impact on Participation and Autonomy (IPA) questionnaire

At baseline) and after four and eight months follow-up.

## **Key secondary outcome(s)**

1. Evaluation of Client-Centred Process (ECCP) questionnaire
2. Quality of Care through the patient's eyes (QUOTE-EEE) questionnaire
3. Canadian Occupational Performance Measure (COPM)

4. Nine-Hole Peg Test (9-HPT) Dexterity measure
5. Fatigue (Modified Fatigue Impact Scale [MFIS]) questionnaire
6. Pain (Pain Effects Scale [PES]) questionnaire
7. Cognitive functioning (Perceived Deficits Questionnaire [PDQ]) questionnaire
8. Generic Health-related Quality of Life (Short Form health survey [SF-36]) questionnaire

At baseline, and after four and eight months follow-up.

**Completion date**

31/12/2009

## **Eligibility**

**Key inclusion criteria**

1. Diagnosed Multiple Sclerosis
2. New referral for occupational therapy
3. Age between 18 and 75 years

**Participant type(s)**

Patient

**Healthy volunteers allowed**

No

**Age group**

Adult

**Lower age limit**

18 years

**Sex**

Not Specified

**Total final enrolment**

269

**Key exclusion criteria**

1. Major depression

**Date of first enrolment**

01/01/2007

**Date of final enrolment**

31/12/2009

## **Locations**

**Countries of recruitment**

Netherlands

**Study participating centre**  
**VU University Medical Center**  
Amsterdam  
Netherlands  
1007 MB

## Sponsor information

**Organisation**  
VU University Medical Center (The Netherlands)

**ROR**  
<https://ror.org/00q6h8f30>

## Funder(s)

**Funder type**  
Research organisation

**Funder Name**  
Stichting MS Research (The Netherlands)

**Alternative Name(s)**  
Dutch Multiple Sclerosis Research Foundation

**Funding Body Type**  
Private sector organisation

**Funding Body Subtype**  
Trusts, charities, foundations (both public and private)

**Location**  
Netherlands

## 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	01/09/2013	14/01/2021	Yes	No