

# Effectiviteit van de Melodic Intonation Therapy (MIT).

No registrations found.

<b>Ethical review</b>	Positive opinion
<b>Status</b>	Recruitment stopped
<b>Health condition type</b>	-
<b>Study type</b>	Interventional

## Summary

### ID

NL-OMON28581

### Source

Nationaal Trial Register

### Brief title

MIT

### Health condition

aphasia  
verbal apraxia

afasie  
verbale apraxie

## Sponsors and support

**Primary sponsor:** Rijndam revalidatiecentrum  
Rotterdam, the Netherlands

**Source(s) of monetary or material Support:** Stichting Rotterdams Kinderrevalidatie  
Fonds Adriaanstichting

## Intervention

## Outcome measures

### Primary outcome

CIU's/minute on the Sabadel:

1. CIU (correct information units): Words in the patients' production that are adequate, comprehensible, relevant, and informative in relation to the target story;
2. In the Sabadel task, the examiner reads a story to the patient. The story is supported by pictures. The patient's task is to retell the story, while looking at the pictures.

### **Secondary outcome**

1. Repetition of trained and untrained items;
2. AAT (interview, repetition, picture description);
3. ANELT.

## **Study description**

### **Background summary**

Background:

Aphasic patients with limited verbal output often show beneficial effect of singing on language production. The MIT was devised to use this capacity in the treatment of aphasia. It uses the melodic aspects of language, such as rhythm and intonation. Many case studies have reported spectacular results after MIT. At the moment, there is level III evidence for MIT, mainly for the chronic phase.

Aim:

Establish a higher level of evidence for MIT, both for the chronic phase and for the post-acute phase, when aphasia treatment is regularly provided. Further, it will be investigated whether the efficacy of MIT depends on patient characteristics, such as age, gender, location and size of the lesion, and severity of the aphasia.

### **Study objective**

MIT leads to improved verbal communication in aphasic patients with severe output disorders.

### **Study design**

1. T1 (before treatment):

Assessments: Sabadel, repetition of trained and untrained items, AAT, ANELT, PALPA 45 (word comprehension);

2. T2 (after 6 weeks of treatment):

Assessments: Sabadel, repetition of trained and untrained items, AAT, ANELT, PALPA 45 (word comprehension);

3. T3 (after 12 weeks):

Assessments: Sabadel, repetition of trained and untrained items, AAT, ANELT, PALPA 45 (word comprehension).

## **Intervention**

Melodic Intonation Therapy (MIT):

Language production therapy in which the melodic aspects of language (rhythm, intonation) are used to train the production of sentences. MIT is given for 6 weeks, 5 hour per week.

Non-MIT (control condition in post-acute group):

Comprehension and production of written sentences. In the control condition, therapy is also given for 6 weeks, 5 hours per week.

No treatment (control condition in chronic group): No individual treatment for 6 weeks. Participation in group treatment (1 time per week) is allowed.

## **Contacts**

### **Public**

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### **Scientific**

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## Eligibility criteria

### Inclusion criteria

1. Aphasia after LH stroke;
2. Time post onset: 2-3 months (post-acute group) or > 1 year (chronic group);
3. Native speaker of Dutch;
4. Candidate for MIT:
  - A. Nonfluent (< 50 words per minute);
  - B. Severe restriction of repetition (AAT subscore repetition <75 and AAT subtest repetition of sentences <11);
  - C. Articulation problems (AAT spontaneous speech score articulation <3);
  - D. Good to moderate auditory comprehension (functional comprehension >5 and AAT subtest auditory comprehension > 32).
5. Age: 18-80 years;
6. Right-handed.

### Exclusion criteria

1. Severe hearing deficit;
2. Premorbid dementia;
3. Recent psychiatric history.

## 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):	01-10-2009
Enrollment:	80
Type:	Actual

## Ethics review

Positive opinion	
Date:	19-08-2009
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 NL1850

NTR-old NTR1961

Other (I) METC Erasmus MC Rotterdam, (II) Stichting Rotterdams Kinderrevalidatie Fonds  
Adriaanstichting : (I) MEC-2009-182, (II) 07.08.31-2007/0168

ISRCTN ISRCTN wordt niet meer aangevraagd.

## Study results

### Summary results

N/A