

# Electrocortical correlates of the three characteristics (3C)

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The main objective is to find the neural correlate of the 3C. Furthermore, the spectrum of reactions to the 3C will be examined through a questionnaire and the question whether the 3C can be domesticated will be addressed.

<b>Ethical review</b>	Approved WMO
<b>Status</b>	Recruiting
<b>Health condition type</b>	Dissociative disorders
<b>Study type</b>	Observational non invasive

## Summary

### ID

NL-OMON32630

### Source

ToetsingOnline

### Brief title

Electrocortical correlates of the 3C

### Condition

- Dissociative disorders

### Synonym

nvt

### Research involving

Human

### Sponsors and support

**Primary sponsor:** Radboud Universiteit Nijmegen

**Source(s) of monetary or material Support:** NWO

## Intervention

**Keyword:** Dissociation, Electroencephalogram (EEG), Meditation

## Outcome measures

### Primary outcome

- The difference in electrocortical activity between the 3C state and a \*normal\* relaxed state in meditators.
- The difference in electrocortical activity between the meditators and matched controls.

### Secondary outcome

na

## Study description

### Background summary

During insight meditation the chaotic, impersonal and impermanent nature of mental states (i.e., the so-called three characteristics (3C) of consciousness; Barendregt, 1996) can be perceived. This state may be related to the dissociative state that can be experienced in schizophrenia. Recording brain activity during the 3C state may give us more insight in brain processes during such dissociative state.

### Study objective

The main objective is to find the neural correlate of the 3C. Furthermore, the spectrum of reactions to the 3C will be examined through a questionnaire and the question whether the 3C can be domesticated will be addressed.

### Study design

An observational study

### Study burden and risks

Risks are not expected. The burden of the participants consists of 2 site visits, consisting of a psychiatric interview, 2 questionnaires, and EEG recording.

## Contacts

### **Public**

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### **Scientific**

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## Trial sites

### Listed location countries

Netherlands

## Eligibility criteria

### **Age**

Adults (18-64 years)

Elderly (65 years and older)

### **Inclusion criteria**

- Age between 21 and 65 years; Additional inclusion criterion for meditators:
- To be able to experience the 3C state and to switch between the 3C state and a \*normal\* relaxed state.

## Exclusion criteria

- Psychiatric disorders currently or in the past
- Neurological disorders currently or in the past; Additional exclusion criterion for control participants:
- Experience with meditation

## Study design

### Design

**Study type:** Observational non invasive

Masking: Open (masking not used)

Control: Uncontrolled

Primary purpose: Treatment

### Recruitment

NL

Recruitment status: Recruiting

Start date (anticipated): 07-05-2010

Enrollment: 14

Type: Actual

## Ethics review

Approved WMO

Date: 01-03-2010

Application type: First submission

Review commission: CMO regio Arnhem-Nijmegen (Nijmegen)

## 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**

<b>Register</b>	<b>ID</b>
CCMO	NL30798.091.09