# Screening for delirium in the Intensive Care Unit: a comparison study

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Ethical review	Approved WMO
Status	Recruitment stopped
Health condition type	Deliria (incl confusion)
Study type	Observational non invasive

### Summary

#### ID

NL-OMON30770

**Source** ToetsingOnline

**Brief title** screeningsinstruments for delirium IC

### Condition

• Deliria (incl confusion)

**Synonym** acute confusion, delirium

**Research involving** Human

#### **Sponsors and support**

**Primary sponsor:** Universitair Medisch Centrum Utrecht **Source(s) of monetary or material Support:** Ministerie van OC&W

#### Intervention

Keyword: delirium, Intensive Care Units, screeninginstruments

#### **Outcome measures**

#### **Primary outcome**

Primary study parameters are the diagnostic value of both screening

instruments (sensitivity, specificity and predictive value) as compared to the

gold standard, the DSM-IV criteria.

#### Secondary outcome

Secundary outcome parameters are the value of the impression of the ICU

physician (sensitivity, specificity and predictive value) as compared to the

gold standard, the DSM-IV criteria.

# **Study description**

#### **Background summary**

Delirium in Intensive Care Unit (ICU) patients often goes unrecognized. Delirium has serious consequences including increased length of stay and worse outcome and can be treated. Different screening instruments are developed for ICU nurses. Using different tools, the reported incidence of delirium during ICU stay varies between 16 and 83%. It is uncertain whether the incidence varies because of differences in case-mix or because of differences in diagnostic value of the screening instruments. The Confussion Assessment Method for the Intensive Care (CAM-ICU) and the Intensive Care Delirium Screening Checklist (ICDSC) are mostly used in the ICU. These instruments have never been tested within the same population.

#### **Study objective**

The primary objective of this study is to test both the CAM-ICU and the ICSDS, using the DSM-IV criteria for delirium as golden standard. A secundary objective is to assess the value of the impression of the ICU physican whether or not a patient is delirious.

#### Study design

In this study, two screening instruments for delirium in ICU patients (CAM-ICU and ICDSC) will be compared with a gold standard, a neuropsychiatric assessment by a neurologist, psychiatrist or clinical geriatrician, using DSM-IV criteria for delirium. In addition, the impression by the physcian will be compared with the same gold standard.

#### Study burden and risks

There are no risks associated with screening for delirium; the burden is minimal

# Contacts

#### Public

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### **Trial sites**

### **Listed location countries**

Netherlands

# **Eligibility criteria**

#### Age

Adults (18-64 years) Elderly (65 years and older)

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### **Inclusion criteria**

ICU-patients of the Univerity Medical Centre

### **Exclusion criteria**

Patient who are deeply sedated (Ramsayscore 5 or 6) Comatose patients (Glasgow Coma Score less than 8) Patients who receive sedatives between evaluations with the various instruments

# Study design

### Design

Study type: Observational non invasive	
Masking:	Open (masking not used)
Control:	Uncontrolled
Primary purpose:	Diagnostic

### Recruitment

NL	
Recruitment status:	Recruitment stopped
Start date (anticipated):	15-02-2007
Enrollment:	100
Туре:	Anticipated

## **Ethics review**

Approved WMO	
Date:	20-03-2007
Application type:	First submission
Review commission:	METC Universitair Medisch Centrum Utrecht (Utrecht)

# **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 CCMO **ID** NL16002.041.07