

Intrinsic Motivation and Cognition in Schizophrenia

Published: 02-06-2014

Last updated: 24-04-2024

The first goal of this research is to translate the IMI-SR into a valid and reliable Dutch version of this questionnaire (N-IMI-SR). The second objective is to assess whether there is an association between IM and cognition in schizophrenia.

Ethical review	Approved WMO
Status	Recruitment stopped
Health condition type	Schizophrenia and other psychotic disorders
Study type	Observational non invasive

Summary

ID

NL-OMON40471

Source

ToetsingOnline

Brief title

Intrinsic Motivation and Cognition in Schizophrenia

Condition

- Schizophrenia and other psychotic disorders

Synonym

Schizophrenia, vulnerability for psychosis

Research involving

Human

Sponsors and support

Primary sponsor: Meregård

Source(s) of monetary or material Support: Intern onderzoeksbudget

Intervention

Keyword: cognition, intrinsic, motivation, schizophrenia

Outcome measures

Primary outcome

Primary hypothesis

The researchers will translate the IMI-SR into Dutch. Then a native speaker will translate it back into English, and both the back-translated English version of the IMI-SR and the original English version will be compared.

Reliability and validity of the N-IMI-SR: Internal (item-)consistency, test-retest reliability, convergent and divergent validity.

Convergent validity: Performance Motivation Test (PMT).

Divergent validity: Symptom Checklist 90 Revised (SCL-90-R).

Secondary hypothesis

The correlation between motivation and cognition is determined

Motivation measures

- N-IMI-SR

Cognition measures:

- Wechsler Adult Intelligence Scale IV (WAIS-IV), measuring intelligence.
- Wisconsin Card Sorting Test (WCST), measuring executive functioning, planning and organizing abilities.
- Trail Making Test (TMT), measuring attention.

Secondary outcome

not applicable

Study description

Background summary

Rationale:

This study focuses on two symptoms in schizophrenia: cognitive and motivational impairments (intrinsic). Cognitive impairments include deficits in language, (working) memory, attention, planning and organization. Motivational impairments are a part of the negative symptoms. Motivation encourages behavior towards a goal and determines how long a person can maintain this behavior. Motivation can be distinguished between extrinsic motivation (EM) and intrinsic motivation (IM). Intrinsic motivation is the motivation to act with the expectation that it is inherently rewarding, such as pleasure.

Although impairments in motivation, cognition, and psychosocial functioning in schizophrenia are prominent and cognitive impairments in schizophrenia contribute to motivational constraints and vice versa, little is known about their relationships within this population. Recent studies of the interaction between IM and cognition were limited by the use of a measure (questionnaire) which is not or not entirely designed for the measurement of IM, let alone for the measurement of IM in schizophrenia. Therefore, further research into the relationship between IM and cognition in schizophrenia is a matter of urgent consideration.

Primary hypothesis

The Dutch version of the Intrinsic Motivation Inventory for Schizophrenia Research (IMI-SR) (N-IMI-SR) is valid and reliable.

Secondary hypothesis

In schizophrenia, there is a positive relationship between IM and cognition.

Study objective

The first goal of this research is to translate the IMI-SR into a valid and reliable Dutch version of this questionnaire (N-IMI-SR).

The second objective is to assess whether there is an association between IM and cognition in schizophrenia.

Study design

There are two measurement points (T0 and T1).

Primary Hypothesis

Quantitative research in one-group design. Measurement to internal (item-)consistency and convergent and divergent validity, repeated measurement for test-retest reliability.

Secondary Hypothesis

Correlational research in one-group design. Measurement of the association between motivation and cognition in a sample of patients with schizophrenia.

Study burden and risks

The burden per patient consists of completing psychological tests en questionnaires considering cognitive functioning and motivation during about 192 minutes spread over two waves. Later on testresults will be briefly discussed with the patient, this will take bout 10 minutes,

There are no risks.

Contacts

Public

Selecteer

Boomgaardweg 12

Almere 1326 AD

NL

Scientific

Selecteer

Boomgaardweg 12

Almere 1326 AD

NL

Trial sites

Listed location countries

Netherlands

Eligibility criteria

Age

Adults (18-64 years)

Elderly (65 years and older)

Inclusion criteria

- Diagnosis of schizophrenia according to DSM-IV-TR (early onset en late onset)
- Age between 18 and 65 years. Exclusion of patients older than 65 years considering the influence of aging processes on cognition.

Exclusion criteria

- Substance dependence according to the DSM-IV-TR.
- Personality in A or B cluster according to the DSM-IV-TR.
- Moderate to severe depressive disorder according to the DSM-IV-TR.
- Total IQ score below 70 on the Wechsler Adult Intelligence Scale IV (WAIS-IV).
- Patient wholly or partially deaf or blind.
- Patient doesn't sufficiently understand explanations and instructions prior to the study or insufficient (eg insufficient mastery of Dutch).
- Congenital and non-congenital hersenletslel.
- Amnestic syndromes according to the DSM-IV-TR.
- Suicidality
- GAF <50

Study design

Design

Study type: Observational non invasive

Masking: Open (masking not used)

Control: Uncontrolled

Primary purpose: Other

Recruitment

NL

Recruitment status: Recruitment stopped

Start date (anticipated): 25-04-2014

Enrollment: 80

Type: Actual

Ethics review

Approved WMO

Date: 02-06-2014

Application type: First submission

Review commission: METC academisch ziekenhuis Maastricht/Universiteit Maastricht, METC azM/UM (Maastricht)

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
CCMO	NL47375.068.13