

Clinical Trial Protocol

Iranian Registry of Clinical Trials

03 Jul 2026

The Effectiveness of Computerized Cognitive Rehabilitation in Improving cognitive abilities of Schizophrenic Patients

Protocol summary

Summary

The purpose of this study is to investigate the effectiveness of computerized cognitive rehabilitation in improving cognitive abilities and investigation of rehabilitation interventions of computerized cognitive treatment in schizophrenic patients. A total of 15 male and female schizophrenic patients in the age range of 18-50 years old who have inclusion and exclusion criteria, are studied. Firstly, the pretests consisting of Wechsler, CPT and retrospective and prospective memory questionnaire are performed; secondly, therapeutic intervention which consist of performing Computerized Cognitive performance improvement software namely "Rehacome", in instructional sessions, 2 times per week, 45 min every session are administered. Therapeutic intervention is continuing 20 sessions for every patient; finally, post-tests are performed and the pretests and post-tests scores are compared before and after the intervention.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201112077462N3**

Registration date: **2011-12-21, 1390/09/30**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2011-12-21, 1390/09/30

Registrant information

Name

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Name of organization / entity

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Recruitment status

Recruitment complete

Funding source

state

Expected recruitment start date

2011-11-06, 1390/08/15

Expected recruitment end date

2012-03-20, 1391/01/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The Effectiveness of Computerized Cognitive Rehabilitation in Improving cognitive abilities of Schizophrenic Patients

Public title

The Effectiveness of Computerized Cognitive Rehabilitation in Improving cognitive abilities of Schizophrenic Patients

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: receiving Schizophrenia diagnosis based on DSM IV TR by psychiatrist, the age range of 18-50, having hospitalization history Exclusion criteria: comorbidity with other psychiatric disorders, having brain damage, having mental retardation

Age

From **18 years** old to **50 years** old

Gender

Both

Phase

N/A

Groups that have been masked*No information***Sample size**Target sample size: **15****Randomization (investigator's opinion)**

Not randomized

Randomization description**Blinding (investigator's opinion)**

Not blinded

Blinding description**Placebo**

Not used

Assignment

Parallel

Other design features**Secondary Ids**

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

Tehran University of Medical Sciences

Street address

Qods street, Blvd Keshavarz, Teharan

City

Tehran

Postal code**Approval date**

2011-11-17, 1390/08/26

Ethics committee reference number

1467/130/90/s

Health conditions studied**1****Description of health condition studied**

Schizophrenia

ICD-10 code

F20

ICD-10 code description

Schizophrenia

Primary outcomes**1****Description**

continuous attention

Timepoint

Baseline, 20 sessions after intervention

Method of measurement

CPT computerized test- the patients choose the target stimulus through the other stimulants and react to it by pressing the key. the number of correct and incorrect respondents are measured. measure scale is discrete quantifying.

Secondary outcomes**1****Description**

working memory

Timepoint

Baseline, 20 sessions after intervention

Method of measurement

Wechsler digit span test- measure scale is discrete quantifying

2**Description**

retrospective and prospective memory

Timepoint

Baseline, 20 sessions after intervention

Method of measurement

retrospective and prospective memory questionnaire- measure scale is discrete quantifying.

Intervention groups**1****Description**

continuous attention, working memory and retrospective and prospective memory are improved by using computerized software namely "Rehacome". This intervention are performed for every patients in 20 sessions, 40 minutes per session.

Category

Rehabilitation

Recruitment centers**1****Recruitment center****Name of recruitment center**

Psychiatry and Psychology Research Center, Roozbeh Hospital

Full name of responsible person

Zahra Keshavarzi

Street address**City**

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Sponsors / Funding sources**1****Sponsor****Name of organization / entity**

Tehran University of Medical Sciences

Full name of responsible person

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fifth floor, The Qods street, Blvd Keshavarz, Tehran

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Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

Tehran University of Medical Sciences

Proportion provided by this source

100

Public or private sector

empty

Domestic or foreign origin

empty

Category of foreign source of funding

empty

Country of origin

Type of organization providing the funding

empty

Person responsible for general inquiries

Contact

Name of organization / entity

Tehran University of Medical Sciences, Psychiatry research center

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Other areas of specialty/work

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Person responsible for updating data

Contact

Name of organization / entity

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Full name of responsible person

Maryam Salmanian

Position

MS/Researcher

Other areas of specialty/work

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00

Fax

Email

Web page address

Sharing plan

Deidentified Individual Participant Data Set (IPD)

empty

Study Protocol

empty

Statistical Analysis Plan

empty

Informed Consent Form

empty

Clinical Study Report

empty

Analytic Code

empty

Data Dictionary

empty