

Clinical Trial Protocol

Iranian Registry of Clinical Trials

27 Jun 2026

Effect of cognitive remediation therapy on cognitive deficits (attention, memory, executive function) and symptoms of people with chronic schizophrenia according to cognitive levels

Protocol summary

Summary

The purpose of this study is to determine the effect of cognitive remediation therapy on improving cognitive deficits (i.e. attention, memory and executive function) and symptoms of patients with schizophrenia according to cognitive levels. Inclusion criteria: definitive diagnosis of schizophrenia and who have been given a score under 26 using the Montreal Cognitive Assessment. Exclusion criteria: Head injury and intellectual disability. The study population will be the hospitalized patients with definitive schizophrenia at the Tolou Rehabilitation Center in Tehran. The sample size will be 30 patients. These patients will be assigned to two different groups using two methods. each group contains 15 patients. The first method will be clinical interview with expert judge . and the second method will undergo the Montreal Cognitive Test score. The first group will contain patients with low cognitive deficits and the second group will contain patients with moderate cognitive deficits. The Classic Stroop, Continuous Performance Test, N-back, Wisconsin Sorting Cards Test Tower of London and Scale for the assessment of negative and positive symptoms will be the tests to be used. Both groups will receive Cognitive Remediation Therapy by Sholberg and Mateer(2001) which includes 16 group intervention sessions with specific instructions and each session will last between 30 to 45 minutes. This intervention reduces or eliminates the patient's cognitive deficits by practicing and using the remaining and healthy skills.

General information

Acronym

CRT

IRCT registration information

IRCT registration number: **IRCT2016060828336N1**
Registration date: **2017-10-05, 1396/07/13**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2017-10-05, 1396/07/13

Registrant information

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Name of organization / entity

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Recruitment status

Recruitment complete

Funding source

Tolou Rehabilitation Center

Expected recruitment start date

2017-09-23, 1396/07/01

Expected recruitment end date

2017-10-02, 1396/07/10

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of cognitive remediation therapy on cognitive deficits (attention, memory, executive function) and

symptoms of people with chronic schizophrenia according to cognitive levels

Public title

The efficiency of Cognitive Remediation Therapy on Patients with Schizophrenia

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Having schizophrenia diagnose according to DSM 5; Patient should have cognitive deficit according to MoCA test results, scoring under 26 in this test; Patients score should be more than 35 in SAPS (Scale for the Assessment of Positive Symptoms) and more than 24 in SANS (Scale for the Assessment of Negative Symptoms); Patients age should be between 25 and 50; At least 2 years have passed since the onset of the disorder; The patient had at least studied up to fifth grade in elementary school. EXCLUSION CRITERIA: Having head injury, Dementia and other specific Neurological disorder which needs special treatment; Having the diagnose of Intellectual Disability; Patient have serious side effects related to Anti psychotic drugs and receive special treatment for that; Patient be in the acute phase of the disorder; Patient be affected by abuse, poisoning or deprivation of any herbal medicine, smoking does not include; Receiving ECT during past six months.

Age

From **25 years** old to **50 years** old

Gender

Male

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **30**

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

University of Social Welfare and Rehabilitation Sciences

Street address

Kodakyar street, Daneshjoo BLV, Tehran

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Tehran

Postal code

Approval date

2015-12-22, 1394/10/01

Ethics committee reference number

IR.USWR.REC.1394.323

Health conditions studied

1

Description of health condition studied

SCHIZOPHRENIA

ICD-10 code

F20

ICD-10 code description

Schizophrenia

Primary outcomes

1

Description

attention

Timepoint

before and after intervention

Method of measurement

CPT and Stroop test

2

Description

memory

Timepoint

before and after intervention

Method of measurement

N back test

3

Description

executive function

Timepoint

before and after intervention

Method of measurement

Tower of London and Wisconsin sorting card test

4

Description

positive symptoms

Timepoint

before and after intervention

Method of measurement

scale of assessment positive symptoms

5

Description

negative symptoms

Timepoint

before and after intervention

Method of measurement

scale of assessment negative symptoms

Secondary outcomes

empty

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

Sholberg and Mateer remediation protocol (2001) which includes 16 Group Therapy session and each session will last between 30 to 45 minutes.

Category

Rehabilitation

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

Tolou rehabilitation center

Full name of responsible person

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

Deputy of research and technology of university of welfare and social sciences

Full name of responsible person

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Daneshjoo BLV, koodakyar alley, University of welfare and social sciences

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TEHRAN

Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Deputy of research and technology of university of welfare and social 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

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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