Clinical Trial Protocol
Iranian Registry of Clinical Trials

16 Sep 2026

Effect of cognitive remediation therapy on cognitive defecits (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

Name

Asal Fazeli

Name of organization / entity

University of Social Welfare and Rehabilitation Sciences

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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 defecits (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) nad more than 24 in SANS(Scale for the Assessment of Negative Symptoms);Patients age should be between 25 ot 50;At least 2 years have passed since the onset of the disorder;The patient had at least studied up to fifth grade in elementry 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
City
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
Asal Fazeli
Street address
Golestan Township
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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
Homeira Sajadi
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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

Person responsible for general inquiries

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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