

Clinical Trial Protocol

Iranian Registry of Clinical Trials

19 Jun 2026

The Effect of Musical Activities on Executive Function in Patients with Schizophrenia

Protocol summary

Summary

The aim of this study was to assess the effect of musical activities on executive function of patients with schizophrenia. 70 patients with schizophrenia in the age range of 20 - 45 years were non-randomly assigned to experimental or control group. Subjects with motor or sensory problems, mental retardation or any other conditions that can affect performance of tests or intervention were excluded. The experimental group took part in 24 music therapy sessions, 1 hour, 3 days a week including singing, playing musical instruments and performing purposeful movements with music. The executive function was measured using The Wisconsin Card Sorting Test (WCST), Stroop test, Tower of London, and The Purde Peg Board Test before and after the intervention.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT138812053419N1**

Registration date: **2010-02-27, 1388/12/08**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2010-02-27, 1388/12/08

Registrant information

Name

Mitra Khalafbeigi

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 21 2222 7124

Email address

khalafbeigi.m@iums.ac.ir

Recruitment status

Recruitment complete

Funding source

Iran University of Medical Sciences

Expected recruitment start date

2010-02-27, 1388/12/08

Expected recruitment end date

2010-06-20, 1389/03/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The Effect of Musical Activities on Executive Function in Patients with Schizophrenia

Public title

The Effect of Musical Activities on Executive Function in Patients with Schizophrenia

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Schizophrenia diagnosed by a psychiatrist, Age 20 to 45 years, Being in chronic disease phase (at least 2 years history of the disease) Exclusion criteria: presence of movement disorders, sensory disorders, or epilepsy, no cooperation

Age

From **20 years** old to **45 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 70

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Other

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Iran University of Medical Sciences

Street address

Crossroads of Shahid Hemmat and Shahid Chamran
Expressways, Tehran

City

Tehran

Postal code

Approval date

2010-05-26, 1389/03/05

Ethics committee reference number

939

Health conditions studied

1

Description of health condition studied

Schizophrenia

ICD-10 code

F20.6

ICD-10 code description

Simple schizophrenia

Primary outcomes

1

Description

changes in executive function

Timepoint

2 months

Method of measurement

by TOWER of London test, Stroop test , PURDE PEG
BOARD TEST, The Wisconsin Card Sorting Test (WCST)

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: 24 sessions, 3 days a week, 1 hour
for each session including singing, playing musical
instruments and performing purposeful movements with
music

Category

Other

2

Description

Control group: no intervention

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Association of Supporting Individuals with
Schizophrenia

Full name of responsible person

Tayebe Dehbashi Zadeh

Street address

Unit 3A, No. 21, Kalhor St. corner, Kaveh St., Opposite
the Faculty of Veterinary Medicine, Azadi St., Tehran

City

Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Iran University of Medical Sciences

Full name of responsible person

Vice-chancellor for Research

Street address

Crossroads of Shahid Hemmat and Shahid Chamran
Expressways, Tehran,

City

Tehran

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Iran 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

Tehran
Postal code
Phone
+98 21 2222 8051
Fax
+98 21 2222 0946
Email
khalafbeigi@iums.ac.ir
Web page address

Person responsible for general inquiries

Contact

Name of organization / entity
Iran University of Medical Sciences
Full name of responsible person
Mitra Khalafbeigi
Position
Faculty Member
Other areas of specialty/work
Street address
Nezam Alley, Shah Nazari Ave., Mohseni Square,
Tehran
City
Tehran
Postal code
Phone
+98 21222280512
Fax
+98 21 2222 0946
Email
khalafbeigi@iums.ac.ir ot_mitra@yahoo.com
Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity
Iran University of Medical Sciences
Full name of responsible person
Prof Hasan Ashayeri
Position
faculty Member
Other areas of specialty/work
Street address
Nezam Alley, Shah Nazari Ave., Mohseni Square,
Tehran
City

Person responsible for updating data

Contact

Name of organization / entity
Iran University of Medical Sciences
Full name of responsible person
Mitra Khalafbeigi
Position
Phd student of Occupational Therapy
Other areas of specialty/work
Street address
Nezam Alley, Shah Nazari Ave., Mohseni Square,
Tehran
City
Tehran
Postal code
Phone
+98 21 2222 7124
Fax
Email
ot_mitra@yahoo.com khalafbeigi@iums .ac.ir
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