

Clinical Trial Protocol

Iranian Registry of Clinical Trials

17 Jun 2026

Effect of agriculture activities on positive and negative symptoms and quality of life in hospitalized chronic schizophrenic patients

Protocol summary

Summary

The aim of this study was to determine the effect of agriculture activities on positive and negative symptoms and quality of life in hospitalized chronic schizophrenic patients. This study was a clinical trial, single center, with random allocation. The population of the study was the eligible chronic schizophrenic patients hospitalized in Sina Hospital in Joneghan. Inclusion criteria was diagnosis of chronic schizophrenia. The patients with mental retardation or change in the treatment regimen during the study were excluded. Fifty-two patients were randomly allocated in agriculture therapy or control (routine treatment) groups (26 in each group). The patients in control group received routine anti-psychotic treatment (4 mg risperidone tablet three times a day). The patients in agriculture group, participated in daily agriculture activities in addition to routine medication. The intervention was conducted for three months. The patients' positive and negative symptoms and quality of life were evaluated at the beginning and the end of the study.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201501042085N15**

Registration date: **2015-12-11, 1394/09/20**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2015-12-11, 1394/09/20

Registrant information

Name

Neda Parvin

Name of organization / entity

Shahrekord University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 38 1333 5652

Email address

nedali285@skums.ac.ir

Recruitment status

Recruitment complete

Funding source

Shahrekord University of Medical Sciences

Expected recruitment start date

2014-04-19, 1393/01/30

Expected recruitment end date

2014-07-21, 1393/04/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of agriculture activities on positive and negative symptoms and quality of life in hospitalized chronic schizophrenic patients

Public title

Effect of agriculture activities on positive and negative symptoms and quality of life in hospitalized chronic schizophrenic patients

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Physical ability; the diagnosis of chronic schizophrenia according to DSM IV TR criteria; aged between 18 and 80 years old Exclusion criteria: Mental retardation; change in the treatment regimen during the study

Age

From **18 years** old to **80 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **52**

Randomization (investigator's opinion)

Randomized

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

Not blinded

Blinding description**Placebo**

Not used

Assignment

Parallel

Other design features

Randomization was performed with a computer-generated sequence of random numbers using SPSS software 16.

Secondary Ids

empty

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

Shahrekord University of Medical Sciences

Street address

Rahmatiee, Shahrekord University of Medical Sciences, Shahrekord

City

Shahrekord

Postal code**Approval date**

2013-08-01, 1392/05/10

Ethics committee reference number

92-5-10

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

Schizophrenia

ICD-10 code

F20.5

ICD-10 code description

Residual schizophrenia

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

Positive and negative symptoms

Timepoint

At the beginning and the end of the study

Method of measurement

Anderson's positive and negative symptoms Scale

2**Description**

Quality of life

Timepoint

At the beginning and the end of the study

Method of measurement

Schizophrenia quality of life scale

Secondary outcomes

empty

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

Control group: The patients in this group were under treatment with anti-psychotic medication with 4 mg risperidone tablet three times a day.

Category

Treatment - Drugs

2**Description**

Agriculture group: The patients in this group, participated in daily agriculture activities for three months in addition to treatment with risperidone tablet (rispidone tablet 4 mg three times a day).

Category

Treatment - Other

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

Sina Hospital

Full name of responsible person

Neda Parvin

Street address**City**

Joneghan

Sponsors / Funding sources**1****Sponsor**

Name of organization / entity

Shahrekord University of Medical Sciences

Full name of responsible person

Dr.Sayed Kamal Solati

Street address

Shahrekord University of Medical Sciences, Kashani Street, Shahrekord

City

Shahrekord

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Shahrekord 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

Shahrekord University of Medical Sciences

Full name of responsible person

Neda Parvin

Position

Lecturer, faculty member

Other areas of specialty/work

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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