Clinical Trial Protocol
Iranian Registry of Clinical Trials

07 Nov 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 (rispridone 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