

Clinical Trial Protocol

Iranian Registry of Clinical Trials

24 Jun 2026

The effect of Granisetron on negative symptoms in patients with chronic schizophrenia: a double blind and placebo controlled trial

Protocol summary

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Summary

The objective of this randomized, double-blind, placebo controlled study is to test the hypothesis that the addition of Granisetron would improve psychopathology in subjects with schizophrenia treated with Risperidone. 30 patients with chronic DSM-IV-diagnosed schizophrenia will receive Risperidone (6 mg/day) combined with either placebo (N=15) or 2 mg/day of Granisetron (N=15) for 8 weeks. Efficacy will be defined as the change from baseline to endpoint in score on the Positive and Negative Syndrome Scale (PANSS). Side effects will be also evaluated using checklist and Extra-pyramidal Symptoms Rating Scale

Recruitment status

Recruitment complete

Funding source

Tehran University of Medical Sciences, Kurdistan University of Medical Sciences

Expected recruitment start date

2010-06-29, 1389/04/08

Expected recruitment end date

2011-09-29, 1390/07/07

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT138902241556N14**

Registration date: **2010-05-20, 1389/02/30**

Registration timing: **prospective**

Last update:

Update count: **0**

Registration date

2010-05-20, 1389/02/30

Registrant information

Name

Shahin Akhondzadeh

Name of organization / entity

Roozbeh Psychiatric Hospital, Tehran University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 21 5541 2222

Email address

Scientific title

The effect of Granisetron on negative symptoms in patients with chronic schizophrenia: a double blind and placebo controlled trial

Public title

Granisetron the treatment of schizophrenia

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion Criteria: Age between 18-55, Diagnosis of Schizophrenia based on DSM IV; chronic Schizophrenia, at least four weeks treatment with risperidone and a stable positive symptom- Exclusion Criteria:1- Substance dependence,2- IQ <70,3-any other mental disorder on axis I, 4-Any serious medical or neurological problem ,5- receiving oral antipsychotic medications during the last week or receiving any depot antipsychotic medication during the last month,6- receiving ECT during the last 14 days

Age

From **18 years** old to **50 years** old

Gender

Both

Phase

2

Groups that have been masked

No information

Sample size

Target sample size: 30

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Double blinded

Blinding description

Placebo

Used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Tehran University of Medical Sciences

Street address

Keshavarz Blvd

City

Tehran

Postal code

Approval date

2010-03-15, 1388/12/24

Ethics committee reference number

9740

Health conditions studied

1

Description of health condition studied

schizophrenia

ICD-10 code

F20

ICD-10 code description

Schizophrenia

Primary outcomes

1

Description

Severity of schizophrenia

Timepoint

Baseline and weeks 2-4-6-8 after Beginning of treatment

Method of measurement

Positive and Negative Syndrome Scale (PANSS)

Secondary outcomes

empty

Intervention groups

1

Description

Tablet Risperidone (6 mg/day) combined with 2 mg/day of Tablets Granisetron as intervention group for 8 weeks

Category

Treatment - Drugs

2

Description

Tablets Risperidone (6 mg/day) combined with Tablets placebo as control group for 8 weeks

Category

Placebo

Recruitment centers

1

Recruitment center

Name of recruitment center

Roozbeh Hospital

Full name of responsible person

Prof. Shahin Akhondzadeh

Street address

Roozbeh Hospital

City

Tehran

2

Recruitment center

Name of recruitment center

Qhods Hospital- Kurdistan University of Medical Sciences

Full name of responsible person

Dr. Farzin Rezaei

Street address

Qhods hospital- Pasdaran street

City

Sanandaj

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Tehran University of Medical Sciences

Full name of responsible person

Dr. Akbar Fotouhi

Street address

Keshavarz Blvd

City

Tehran

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

Yes

Title of funding source
Tehran 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

Person responsible for scientific inquiries

Contact

Name of organization / entity
Tehran University of Medical Sciences

Full name of responsible person
Prof. Shahin Akhondzadeh

Position
Ph.D.

Other areas of specialty/work

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Roozbeh Hospital-south Kargar street

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Person responsible for updating data

Contact

Name of organization / entity
Tehran University of Medical Sciences

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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