

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

03 Jun 2026

### Combination of estrogen and antipsychotics in the treatment of women with chronic schizophrenia: a double-blind, randomized and placebo-controlled clinical trial

#### Protocol summary

##### Summary

This study designed to evaluate efficacy of conjugated estrogen in the treatment of patients with chronic schizophrenia. Participants in this study were 32 childbearing-aged women with chronic schizophrenia. These patients were hospitalized in an institute for chronically mentally ill patients. Participants were randomly divided into two groups: the first group (16 cases) received conjugated estrogen 0.625 mg/Day four weeks along with their previous antipsychotic regimen while the second group (16 cases) received adjunctive placebo plus antipsychotics. Positive and Negative Syndrome Scale (PANSS) used as measurement tool for assessment of psychopathology.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT138901283739N1**  
Registration date: **2010-05-29, 1389/03/08**  
Registration timing: **retrospective**

Last update:

Update count: **0**

##### Registration date

2010-05-29, 1389/03/08

##### Registrant information

##### Name

Fateme Ghaderi

##### Name of organization / entity

Yasuj University of Medical Sciences

##### Country

Iran (Islamic Republic of)

##### Phone

+98 71 1229 6827

##### Email address

ghaderifa@sums.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

Yasuj University of Medical Sciences

##### Expected recruitment start date

2006-09-23, 1385/07/01

##### Expected recruitment end date

2007-09-23, 1386/07/01

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

Combination of estrogen and antipsychotics in the treatment of women with chronic schizophrenia: a double-blind, randomized and placebo-controlled clinical trial

##### Public title

Estrogen for schizophrenia

##### Purpose

Treatment

##### Inclusion/Exclusion criteria

Inclusion criteria: child-bearing age women with chronic schizophrenia, kept in Behravan institute, Yasuj Exclusion criteria: pregnancy, lactation, concurrent hormonal treatment, abnormal uterus bleeding, positive history of deep vein thrombosis, any serious neurologic disorders

##### Age

From **15 years** old to **45 years** old

##### Gender

Female

## Phase

N/A

## Groups that have been masked

No information

## Sample size

Target sample size: 32

## 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

Ethics committee of Yasuj University of Medical Sciences

##### Street address

Jalil street, Yasuj, Iran

##### City

Yasuj

##### Postal code

75919-94799

#### Approval date

2006-02-01, 1384/11/12

#### Ethics committee reference number

84-11-6

## Health conditions studied

### 1

#### Description of health condition studied

Schizophrenia

#### ICD-10 code

F20, F21,

#### ICD-10 code description

Schizophrenia, schizotypal and delusional disorders

## Primary outcomes

### 1

#### Description

Schizophrenia symptoms

#### Timepoint

4 weeks

#### Method of measurement

PANSS

## Secondary outcomes

empty

## Intervention groups

### 1

#### Description

conjugated estrogen 0.625 mg/Day for four weeks

#### Category

Treatment - Drugs

### 2

#### Description

Placebo

#### Category

Placebo

## Recruitment centers

### 1

#### Recruitment center

##### Name of recruitment center

Behravan Rehabilitation Center

##### Full name of responsible person

Khodakaram Nikbakht

##### Street address

Besengan

##### City

Yasuj

## Sponsors / Funding sources

### 1

#### Sponsor

##### Name of organization / entity

Yasuj University of Medical Sciences

##### Full name of responsible person

Dr. Moshfe Abdolali

##### Street address

Jalil st., Yasuj, Iran

##### City

Yasuj

#### Grant name

تحقيقات دانشگاهی

#### Grant code / Reference number

10506

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

Yes

#### Title of funding source

Yasuj 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**

Yasuj University of Medical Sciences

**Full name of responsible person**

Ali Mohammadi

**Position**

Psychiatrist, Assistant Professor

**Other areas of specialty/work****Street address**

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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*