Clinical Trial Protocol
Iranian Registry of Clinical Trials

27 Sep 2026

Effects of nicotine on visuospatial deficits in schizophrenia

Protocol summary

Summary

This trial is going to survey effect of nicotine on visuospatial cognition in schizophrenic patients. Forty five cigarette smoker patients are selected from Tabriz Razi hospital and randomly assigned into one of 3 equal groups. At the baseline, patients are tested by visuospatial memory test on admission; then they are grouped into 3 group on discharge. First group will be tested without any intervention and after smoking their cigarettes. Seccond group will be tested before smoking cigarette in the morning. Third group will be tested after administering 15 mg nicotine patches in the morning. Visuospatial cognition ismeasured as primary outcome.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT138903142999N2**
Registration date: **2010-06-18, 1389/03/28**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2010-06-18, 1389/03/28

Registrant information

Name
Alireza Farnam
Name of organization / entity
Tabriz University of Medical Sciences
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Iran (Islamic Republic of)
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farnama@tbzmed.ac.ir

Recruitment status

Recruitment complete

Funding source

Vice-chancellor for research, Tabriz University of Medical Sciences

Expected recruitment start date

2009-09-23, 1388/07/01

Expected recruitment end date

2010-06-22, 1389/04/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effects of nicotine on visuospatial deficits in schizophrenia

Public title

Effect of nicotine on cognition of schizophrenics

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Age between 20 to 40 years, less than 2 years from the start of disease course, being able to cooperate testing Exclusion criteria: Coexistence of another major psychopathology such as mood or cognitive disorders or mental retardation, Non smoker patients

Age

From **20 years** old to **40 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **45**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethic committee, Tabriz University of Medical Sciences

Street address

Univeristy Ave.

City

Tabriz

Postal code

Approval date

2010-06-24, 1389/04/03

Ethics committee reference number

896

Health conditions studied

1

Description of health condition studied

schisophrenia

ICD-10 code

F20

ICD-10 code description

Schizophrenia

Primary outcomes

1

Description

visuospatial test score

Timepoint

before treating the acute phase, after treating acute phase at discharge

Method of measurement

BVMT-R(Breaf Visuospatial Memory Test-Revised)

Secondary outcomes

empty

Intervention groups

1

Description

First group will be tested without any intervention and after smoking their cigarettes.

Category

N/A

2

Description

Seccond group will be tested before smoking cigarette in the morning

Category

N/A

3

Description

Third group will be tested after administering 15 mg nicotine patches in the morning

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Razi hospital

Full name of responsible person

Dr Faramarz Ghiasi

Street address

Razi hospital, Elgoli ave.

City

Tabriz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Tabriz University of Medical Sciences

Full name of responsible person

Dr farnam, Alireza.

Street address

Tabriz University of Medical Sciences, Daneshgah street,

City

Tabriz

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Tabriz 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

Tabriz University of Medical Sciences

Full name of responsible person

Dr Faramarz Ghiasi

Position

Psychiatry Assistant

Other areas of specialty/work

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Person responsible for scientific inquiries

Contact

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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