

Clinical Trial Protocol

Iranian Registry of Clinical Trials

13 Jun 2026

Comparing the effect of hyoscine and diazepam in management of true peripheral vertigo

Protocol summary

Summary

(1) Objectives: Comparing the efficacy of intravenous hyoscine and diazepam for management of true peripheral vertigo (2) Design: This study is a double blind randomized clinical trial. (3) Setting and conduct: Patients with diagnosis of true peripheral vertigo were randomly divided into two groups treated with intravenous hyoscine (intervention) and intravenous diazepam (control). (4) Participants: 52 patients with moderate to severe vertigo compatible with clinical diagnosis of true peripheral vertigo and have no contraindications for administration of hyoscine and diazepam (5) Intervention: 5 mg hyoscine in intervention group and 10 mg diazepam in control group was slow intravenously administered. (6) Main outcome measures: Severity of vertigo was assessed before drug administration and also 1 and 2 hours after will be recorded. Management success (decreasing 1 score of vertigo), vertigo relief and side effects were assessed.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016100815640N5**

Registration date: **2016-10-10, 1395/07/19**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2016-10-10, 1395/07/19

Registrant information

Name

Alireza Baratloo

Name of organization / entity

Tehran University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 21 6312 0432

Email address

alirezabaratloo@sbmu.ac.ir

Recruitment status

Recruitment complete

Funding source

Vice chancellor for research, Shahid Beheshti University of Medical Sciences

Expected recruitment start date

2016-03-20, 1395/01/01

Expected recruitment end date

2016-09-21, 1395/06/31

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparing the effect of hyoscine and diazepam in management of true peripheral vertigo

Public title

Comparing the effect of hyoscine and diazepam in management of true peripheral vertigo

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: 18-60 years old patients with clinical diagnosis of true peripheral vertigo Exclusion criteria: History of vertigo mitigation prophylaxis, allergy to hyoscine or diazepam, pregnancy, renal failure, breast feeding, recurrent vertigo

Age

From **18 years** old to **60 years** old

Gender

Both

Phase

2-3

Groups that have been masked

No information

Sample size

Target sample size: 52

Randomization (investigator's opinion)

Randomized

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

Double blinded

Blinding description**Placebo**

Not used

Assignment

Parallel

Other design features

Randomization using randomized number table

Secondary Ids

empty

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

Ethics committee of Shahid Beheshti University of Medical Sciences

Street address

Vice chancellor for research, Shahid Beheshti University of Medical Sciences, Velenjak Street

City

Tehran

Postal code**Approval date**

2016-01-26, 1394/11/06

Ethics committee reference number

IR.SBMU.MSP.REC.1394.134

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

True peripheral vertigo

ICD-10 code

H81.3

ICD-10 code description

Other peripheral vertigo

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

Severity of vertigo

Timepoint

before drug administration and also 1 and 2 hours after that

Method of measurement

Verbal quantitative scale

Secondary outcomes**1****Description**

side effects

Timepoint

from starting drug administration until 2 hours after

Method of measurement

Serial physical exam

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

administration of 5 mg hyoscine slow intravenously (intervention)

Category

Treatment - Drugs

2**Description**

administration of 10 mg diazepam slow intravenously (control)

Category

Treatment - Drugs

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

Imam Hosein Hospital

Full name of responsible person

Dr. Hamid Kariman

Street address

Shahid Madani Street

City

Tehran

2**Recruitment center****Name of recruitment center**

Shohadaye Tajrish Hospital

Full name of responsible person

Dr. Alireza Baratloo

Street address

Tajrish Square

City

Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for research, Shahid Beheshti University of Medical Sciences

Full name of responsible person

Seyed Ali Ziyayi

Street address

Vice chancellor for research, 3rd floor, Medical School, Shahid Beheshti University of Medical Sciences, Velenjak, Tehran, Iran

City

Tehran

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

Yes

Title of funding source

Vice chancellor for research, Shahid Beheshti 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**

Shahid Beheshti University of Medical Sciences

Full name of responsible person

Dr. Alireza Baratloo

Position

Assistant Professor of Emergency Medicine

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

Emergency Department, Shohadaye Tajrish Hospita, Tajrish Square

City

Tehran

Postal code**Phone**

+98 21 2272 1155

Fax**Email**

alirezabaratloo@gmail.com

Web page address

Person responsible for scientific

inquiries

Contact**Name of organization / entity**

Shahid Beheshti University of Medical Sciences

Full name of responsible person

Dr. Hamid Kariman

Position

Associated Professor of Emergency Medicine

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

Emergency Department, Imam Hossein Hospital

City

Tehran

Postal code**Phone**

+98 21 7755 8081

Fax**Email**

hkamza@yahoo.com

Web page address

Person responsible for updating data

Contact**Name of organization / entity**

Shahid Beheshti University of Medical Sciences

Full name of responsible person

Dr. Alireza Baratloo

Position

Assistant Professor of Emergency Medicine

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

Emergency Department, Shohadaye Tajrish Hospita, Tajrish Square

City

Tehran

Postal code**Phone**

+98 21 2272 1155

Fax**Email**

alirezabaratloo@gmail.com

Web page address

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