

Clinical Trial Protocol

Iranian Registry of Clinical Trials

31 May 2026

comparison between Fluticasone and Mometasone nasal sprays on allergic rhinitis symptoms

Protocol summary

Summary

Background: The safety and efficacy of fluticasone propionate (FP) nasal spray and mometasone furoate monohydrate (MFM) nasal spray for the symptoms of seasonal and perennial allergic rhinitis have been previously demonstrated separately in several clinical studies. The objective of this pilot study was to compare the efficacy fluticasone propionate nasal spray and mometasone furoate nasal spray in patients with allergic rhinitis. Materials and methods: For this study, 75 perennial allergic rhinitis patients were randomly assigned to two treatment groups: MFM group and an FP group. Treatment was provided for 4 weeks and 8 weeks after the treatment beginning. The effects of the two agents were compared using the total nasal symptom scores (TNSs).

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016031419240N2**
Registration date: **2016-04-28, 1395/02/09**
Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2016-04-28, 1395/02/09

Registrant information

Name

Omid Gholami

Name of organization / entity

Sabzevar University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 51 4444 6070

Email address

gholamio@medsab.ac.ir

Recruitment status

Recruitment complete

Funding source

Vice Chancellor for Research of Sabzevar University Of Medical Sciences

Expected recruitment start date

2015-08-23, 1394/06/01

Expected recruitment end date

2016-03-19, 1394/12/29

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

comparison between Fluticasone and Mometasone nasal sprays on allergic rhinitis symptoms

Public title

comparison between two corticosteroid nasal spray on allergic rhinitis symptoms

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: 1) having allergic rhinitis based on clinical exams and questionnaire; 2) having dermatitis allergy to allergen. Exclusion criteria: 1) having infection in two previous weeks; 2) having upper/ lower respiratory infection in two previous weeks; 3) using inhaled steroids in two previous weeks; 4) having nasal polyp.

Age

From **18 years** old

Gender

Both

Phase

2

Groups that have been masked

No information

Sample size

Target sample size: 75

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Double blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Sabzevar University of medical sciences

Street address

Sabzevar University of Medical Sciences- Asadabadi
Street- Sabzevar- Iran

City

Sabzevar

Postal code

Approval date

2015-09-23, 1394/07/01

Ethics committee reference number

Medsab.Rec.93.57

Health conditions studied

1

Description of health condition studied

Allergic rhinitis

ICD-10 code

J30.4

ICD-10 code description

Allergic rhinitis, unspecified

Primary outcomes

1

Description

Nasal congestion

Timepoint

0 & 4 & 8 weeks

Method of measurement

TNSS score

2

Description

Nasal itching

Timepoint

0 & 4 & 8 weeks

Method of measurement

TNSS score

3

Description

Postnasal drip

Timepoint

0 & 4 & 8 weeks

Method of measurement

TNSS score

4

Description

Runny nose

Timepoint

0 & 4 & 8 weeks

Method of measurement

TNSS score

5

Description

Smelling disorders

Timepoint

0 & 4 & 8 weeks

Method of measurement

TNSS score

6

Description

Sneezing

Timepoint

0 & 4 & 8 weeks

Method of measurement

TNSS score

Secondary outcomes

empty

Intervention groups

1

Description

Fluticasone nasal spray 200 micro grams/day (2 puff in each nostril) for 8 weeks

Category

Treatment - Drugs

2

Description

Mometasone nasal spray 100 micro grams/day (2 puff in each nostril) for 8 weeks

Category

Treatment - Drugs

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

Vasei Hospital

Full name of responsible person

Mahshid Sadat Mirmoezi

Street address

Sabzevar Vasei Hospital

City

Sabzevar

Sponsors / Funding sources**1****Sponsor****Name of organization / entity**Vice Chancellor for Research of Sabzevar University
Of Medical Sciences**Full name of responsible person**

Mohammad Mohammadzadeh

Street addressDeputy of Research and Technology, Sabzevar
University of Medical Sciences**City**

Sabzevar

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

Yes

Title of funding sourceVice Chancellor for Research of Sabzevar 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**

Sabzevar University of medical sciences

Full name of responsible person

Mahshid sadat Mirmoezi

Position

Student

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

Sabzevar

City

Sabzevar

Postal code**Phone**

+98 51 5725 2216

Fax**Email**

mahshid.mirmoezi@yahoo.com

Web page address**Person responsible for scientific inquiries****Contact****Name of organization / entity**

Sabzevar University of Medical Sciences

Full name of responsible person

Omid Gholam

Position

Assistant Professor

Other areas of specialty/work**Street address**Faculty of Medicine, Deputy of Education, Sabzevar
University of Medical Sciences**City**

Sabzevar

Postal code**Phone**

+98 51 4444 6070

Fax**Email**

omidghphd@gmail.com; dromidgholami@yahoo.com

Web page address**Person responsible for updating data****Contact****Name of organization / entity**

Sabzevar university of medical sciences

Full name of responsible person

Omid Gholami

Position

Assistant professor

Other areas of specialty/work**Street address**Faculty of Medicine, Deputy of Education, Sabzevar
University of Medical Sciences**City**

Sabzevar

Postal code**Phone****Fax****Email****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