

Clinical Trial Protocol

Iranian Registry of Clinical Trials

16 Sep 2026

Comparison between spirometry and oscillation techniques result before and after gastroesophageal reflux disease treatment

Protocol summary

Summary

The main purpose of this study is to compare spirometry and oscillometry tests before and after anti reflux therapy. A total of 30 patients with GERD (without history of cardio pulmonary disease and smoking) will receive omeprazol, 40 mg, twice daily, for 12 weeks. Pulmonary function tests, including spirometry and oscillometry, were performed before and after the treatment and compared.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201102035749N1**
Registration date: **2011-03-15, 1389/12/24**
Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2011-03-15, 1389/12/24

Registrant information

Name

Masoumeh Hosaini

Name of organization / entity

Ahvaz Jundishapur University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 61 1373 8431

Email address

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Recruitment status

Recruitment complete

Funding source

Ahvaz Jundishapur University of Medical Sciences

Expected recruitment start date

2010-06-22, 1389/04/01

Expected recruitment end date

2010-07-23, 1389/05/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison between spirometry and oscillation techniques result before and after gastroesophageal reflux disease treatment

Public title

Comparison between spirometry and oscillation techniques result before and after gastroesophageal reflux disease treatment

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: GERD disease confirmed with endoscopy
Exclusion criteria: history of chronic heart disease, history of airway disease, pregnancy, smoking, liver disease

Age

From **18 years** old to **40 years** old

Gender

Both

Phase

2

Groups that have been masked

No information

Sample size

Target sample size: **30**

Randomization (investigator's opinion)

N/A

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description**Placebo**

Not used

Assignment

Single

Other design features**Secondary Ids**

empty

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

Ethics committee, Ahwaz Jundishapur University

Street address

Ahwaz Jundishapur University of Medical Sciences

City

Ahwaz

Postal code**Approval date**

2010-09-23, 1389/07/01

Ethics committee reference number

3135

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

Comparison between spirometry and ososcillation techniques

ICD-10 code

J44

ICD-10 code description

Other chronic obstructive pulmonary disease

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

spirometry

Timepoint

before intervention and 3 months after intervention

Method of measurement

PFT

2**Description**

Oscillometry

Timepoint

before intervention and 3 months after intervention

Method of measurement

PFT

Secondary outcomes

empty

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

Omperazole, 40 mg twice a day, for 12 weeks

Category

Treatment - Drugs

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

Imam Khomeini Hospital, Ahwaz

Full name of responsible person

Masoumeh Hosaini Askarabadi

Street address

Ahwaz Jundishapur University of Medical Sciences

City

Ahwaz

Sponsors / Funding sources**1****Sponsor****Name of organization / entity**

Vice-chancellor for Research, Ahwaz Jundishapur University of Medical Sciences

Full name of responsible person

Masoumeh Hosaini Askarabadi

Street address

Ahwaz Jundishapur University of Medical Sciences

City

Ahwaz

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, Ahwaz Jundishapur 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

Ahvaz Jundishapur University of Medical Sciences

Full name of responsible person

Dr. Masoumeh Hosaini Askarabadi

Position

Internal medicine resident

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Person responsible for scientific inquiries

Contact

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Full name of responsible person

Dr. Ismaeel Idani

Position

Assistant professor

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Position

Internal resident

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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