

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

25 Jun 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

hosaini.m@ajums.ac.ir

##### 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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## Person responsible for updating data

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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*