

Clinical Trial Protocol

Iranian Registry of Clinical Trials

05 Jul 2026

Randomized Double-blind Clinical Trial: The effect of Licorice lozenges vs. placebo on chronic cough treatment

Protocol summary

Summary

The purpose of this study is to assess the efficacy of Licorice lozenges comparing with placebo for treatment of chronic cough. 60 patients with confirmed chronic cough with non-response criteria selected. In this double blind pilot study, the patients and researchers will be blinded about receiving Drug and Placebo allocation. Patients will be randomized into group A (Licorice lozenges daily, for 2 weeks) and group B (placebo lozenges daily, for 2 weeks). At the end of therapy (2 weeks) and at baseline (first), 2 weeks after receiving drug and placebo cough severity, will be evaluated and compared between groups

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2015022421220N1**

Registration date: **2015-11-22, 1394/09/01**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2015-11-22, 1394/09/01

Registrant information

Name

Hajar Ghaemi

Name of organization / entity

Shiraz University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 71 3242 4127

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haghaemi@sums.ac.ir

Recruitment status

Recruitment complete

Funding source

Shiraz University of Medical Sciences

Expected recruitment start date

2014-10-23, 1393/08/01

Expected recruitment end date

2015-04-21, 1394/02/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Randomized Double-blind Clinical Trial: The effect of Licorice lozenges vs. placebo on chronic cough treatment

Public title

The effect of Licorice lozenges on chronic cough treatment

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: patients between 18-70 years old; with resistant idiopathic chronic cough for more than 8 weeks; written informed consent to participate in the project
Exclusion criteria: any allergic reaction to the drug; asthma; COPD; GERD; Rhinitis; pregnancy and lactation; hypertension; arrhythmia; Zollinger syndrome; mineralocorticoid and anticoagulants consumers; pregnancy during the study; the drug lost more than three doses; increasing in blood pressure during the study

Age

From **18 years** old to **70 years** old

Gender

Both

Phase

3

Groups that have been masked

No information

Sample size

Target sample size: 60

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Double blinded

Blinding description

Placebo

Used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics Committee, Shiraz University of Medical Sciences

Street address

Zand street, Shiraz University of Medical Sciences, 7th floor

City

Shiraz

Postal code

Approval date

2013-04-27, 1392/02/07

Ethics committee reference number

CT-92-6507

Health conditions studied

1

Description of health condition studied

Chronic Cough

ICD-10 code

R05

ICD-10 code description

Cough-chronic

Primary outcomes

1

Description

Cough severity

Timepoint

Baseline

Method of measurement

Leicester cough questionnaire

Secondary outcomes

1

Description

Cough severity

Timepoint

2 weeks after treatment and 2 weeks after the end of intervention

Method of measurement

Leicester Cough Questionnaire

Intervention groups

1

Description

Intervention Group: Licorice lozenges/day for 2 weeks. Patients will be followed at Baseline, 2 weeks and one month after starting intervention.

Category

Treatment - Drugs

2

Description

Placebo Group: Placebo lozenges/day for 2 weeks. Patients will be followed at Baseline, 2 weeks and one month after starting intervention.

Category

Placebo

Recruitment centers

1

Recruitment center

Name of recruitment center

Motahhary Clinic

Full name of responsible person

Dr. Hajar Ghaemi

Street address

Motahhary Clinic, Shiraz University of Medical Sciences, Zand Avenue, Shiraz, Iran.

City

Shiraz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Shiraz University of Medical Sciences

Full name of responsible person

Dr. Seyed Masoom Masoompour

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Motahhary Clinic, Shiraz University of Medical Sciences, Zand Avenue, Shiraz, Iran.

City

Shiraz

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