

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Sep 2026

Investigating the effect of oral administration of Pistacia Atlantica Kurdica gum on the eradication of H.pylori in patients with dyspepsia symptoms: a randomized clinical trial

Protocol summary

Summary

Objective Evaluating performance of Pistacia Atlantica Kurdica Gum on the eradication of H. pylori infection and improving dyspepsi symptoms. Design 180 patients were referred to the Gastroenterology center that 111 people were UBT positive. 11 patients were excluded due to lack of follow up. A sample of 100 people is divided in 4 groups of 25. Blinding was the consistency of the drug in 500 mg capsules. There have been randomized by the random number table. This study is a one center and single phase. Setting Patients divided into 4 groups. Group A: three drugs including 500 mg of Amoxicillin bd, Clarithromycin 500 mg bd and Omeprazole 20 mg bd for 14 days. Group B: Group A drugs plus the capsule containing 1g of powdered PAKG bd for 14 days. Group C: the capsule inclosing 1g of powdered PAKG bd for 14 days. Group D: this group took placebo-enclosing capsule bd for 14 days. Dyspeptic symptoms before and after healing period and the UBT results two days before the start of treatment and 30 days after the completion were compared in 4 groups. Participants Inclusion criteria UBT positive;symptoms of indigestion; avoiding use of antibiotics Conditions exclusion Pregnancy and lactation; having ulcers or stomach cancer; appearing side effects; the patient withdrawal study Intervention The use of tree gum turpentine for groups and a placebo for control group. Pulmonary function changes as the primary outcome variable and secondary outcomes include headache - abdominal pain - diarrhea - nausea

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016042527599N1**

Registration date: **2016-05-25, 1395/03/05**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2016-05-25, 1395/03/05

Registrant information

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Name of organization / entity

Traditional Medicine, Research Center for Traditional Persian Medicine, Shiraz University of Medical

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Recruitment status

Recruitment complete

Funding source

Vice chancellor for research Shiraz University of Medical Sciences

Expected recruitment start date

2015-06-22, 1394/04/01

Expected recruitment end date

2015-10-22, 1394/07/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Investigating the effect of oral administration of Pistacia Atlantica Kurdica gum on the eradication of H.pylori in patients with dyspepsia symptoms: a randomized clinical trial

Public title

The effect of natural turpentine Kurdica on Helicobacter pylori

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria Gastrointestinal clinic patients 20 to 40 years old; UBT positive symptoms of indigestion; avoiding the use of antibiotics Exclusion criteria Pregnancy and lactation; the development of pharmaceutical agents stopped the study; travel or unwillingness to continue treatment; lack of medication; taking the wrong medication

Age

From **20 years** old to **40 years** old

Gender

Both

Phase

2

Groups that have been masked

No information

Sample size

Target sample size: **100**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Single blinded

Blinding description

Placebo

Used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of Shiraz University of Medical Sciences

Street address

Zand Street headquarters Shiraz University of Medical Sciences

City

Shiraz

Postal code

71345-1978

Approval date

2015-06-21, 1394/03/31

Ethics committee reference number

IR.SUMS.REC.1394.48

Health conditions studied

1

Description of health condition studied

H. pylori infection of the stomach

ICD-10 code

B99

ICD-10 code description

Other and unspecified infectious diseases

Primary outcomes

1

Description

Pulmonary function changes

Timepoint

2 days before and 30 days after the intervention

Method of measurement

According to the DOB

Secondary outcomes

1

Description

Headache - abdominal pain - diarrhea - nausea

Timepoint

During the intervention

Method of measurement

Qualitative

Intervention groups

1

Description

Control group: Two placebo capsules, 500 mg (bd) for 14 days

Category

Placebo

2

Description

Intervention group 1: 500 mg of Amoxicillin bd, Clarithromycin 500 mg bd and Omeprazole 20 mg bd, obtained from Pharmaceutical Sobhan for 14 days

Category

Treatment - Drugs

3

Description

Intervention group 2: intervention group 1 drugs plus two capsules containing 500mg of powdered Pistacia Atlantica kurdica bd for 14 days.

Category

Treatment - Drugs

4

Description

Intervention group 3: two capsules containing two 500mg of powdered Pistacia Atlantica kurdica obtained from Department of Pharmacology, Shiraz University of Medical Sciences bd for 14 days

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

shahid Motahhari professional clinic of Namazi hospital of Shiraz University of Medical Sciences

Full name of responsible person

Hamidollah Afrasiabian

Street address

Research Center for Traditional Medicine and History of Medicine, Shiraz University of Medical Sciences, Shiraz, Iran

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for Research Shiraz University of Medical Sciences

Full name of responsible person

Seyed Basire Hashemi

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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 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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Full name of responsible person

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Position

Ph.D. candidate

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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