

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Jul 2026

Evaluation of Zingiber officinale L. efficacy on reducing nausea & vomiting due to doxycycline for brucellosis treatment

Protocol summary

Summary

Background and Aims: Human brucellosis remains the most common zoonotic disease (caused by facultative intracellular Gram-negative bacteria of the genus *Brucella*) worldwide. The first-line therapy for brucellosis is the combination of doxycycline, 100 mg bid. for 6 weeks with an aminoglycoside (preferably, streptomycin, 1 g/day intramuscularly for 2–3 weeks). The combination of rifampin (600–900 mg/day orally) and doxycycline for 6 weeks is suggested as the principal alternative therapy. Nausea and emesis are common side-effects of doxycycline. Ginger (*zingiber officinale*) is often advocated beneficial for nausea & vomiting treatment. As there was no report regarding the effects of ginger in treatment of nausea due to doxycycline the purpose of present study was to further evaluate the effectiveness of ginger in patients with this challenge. Methods: In this clinical trial study 108 patients entered the study and randomly assigned into 2 groups. Patients in group 1 received capsules containing 500 mg ginger bid. and in group 2 received placebos during the first 10 days of the treatment period. After 4 days wash-out period we changed order. The severity and relief of symptoms before and after each period were evaluated by a visual scoring system. T-test and Chi2 were used for statistical analyses of possible differences.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201206291836N5**

Registration date: **2012-07-16, 1391/04/26**

Registration timing: **prospective**

Last update:

Update count: **0**

Registration date

2012-07-16, 1391/04/26

Registrant information

Name

Seyed Mojtaba Sohrevardi

Name of organization / entity

Kerman University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 34 1320 5001

Email address

smsohrevardi@kmu.ac.ir

Recruitment status

Recruitment complete

Funding source

kerman university of medical sciences

Expected recruitment start date

2012-07-31, 1391/05/10

Expected recruitment end date

2012-10-31, 1391/08/10

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation of Zingiber officinale L. efficacy on reducing nausea & vomiting due to doxycycline for brucellosis treatment

Public title

Efficacy of Zingiber officinale L. on reducing nausea & vomiting due to doxycycline

Purpose

Treatment

Inclusion/Exclusion criteria

inclusion:brucellosis patient how take doxycyclin

exclusion: sever GI adverse effect

Age

From **18 years** old to **60 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **108**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Double blinded

Blinding description

Placebo

Used

Assignment

Crossover

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethic committee of kerman university of medical sciences

Street address

Research advisory of kmu, Blvd jomhuri eslami

City

Kerman

Postal code

Approval date

2012-06-17, 1391/03/28

Ethics committee reference number

91/64/k

Health conditions studied

1

Description of health condition studied

Brucellosis

ICD-10 code

A23

ICD-10 code description

Brucellosis

Primary outcomes

1

Description

Nausea

Timepoint

BID

Method of measurement

Standard visual scale

2

Description

Vomiting

Timepoint

daily

Method of measurement

Number of vomiting based on patients declare

Secondary outcomes

1

Description

Ginger adverse effects

Timepoint

During the study period

Method of measurement

Patents declare based on quastionnaire

Intervention groups

1

Description

Intervention group take ginger capsule to prevent nausea and vomiting due to doxycyclin

Category

Treatment - Drugs

2

Description

Control group: starch capsule

Category

Placebo

Recruitment centers

1

Recruitment center

Name of recruitment center

Besat Clinic

Full name of responsible person

dr farhad sarafzade

Street address

kerman- tahmasbabad crossroad- besat clinic

City

Kerman

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice Chancellor of Research, Kerman University of Medical Sciences

Full name of responsible person

Dr. Reza Malekpour Afshar

Street address

Tahmasb Abad Street, KMU building

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Kerman

Grant name

گرنٲ پژوهشی

Grant code / Reference number

10506

Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

Vice Chancellor of Research, Kerman 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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Position

Assisstan Professor, Clinical Pharmacy specialist

Other areas of specialty/work

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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