

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jun 2026

The effect of Zingiber officinale Roscoe on reducing ischemia-reperfusion injury in patients undergoing coronary angioplasty

Protocol summary

Study aim

Determining the Effect of Ginger on Reducing Ischemic-Reducing Injury in Patients with Coronary Angioplasty

Design

Randomized double-blind clinical trial

Settings and conduct

This is a randomized controlled clinical trial that will be carried out in double blind (cardiologist , as well as patients who are not aware of the groups status). . First, the goals of the study will be explained to the patients, and the informed consent will be taken in writing in patients. Then, the 250 mg Zinatuma capsule intervention group of Isfahan Gol daru Company will be given once a day. to the control group the placebo administrated for 10 days. Angioplasty will be performed according to the routine method. . The balloon is then dipped through a catether and placed exactly in the narrowed area with fluoroscopy, and a balloon with a pressure of ten to fourteen atmospheres is kept, and each time lasted for 30 seconds . To measure the determinants of the effects of the preconditioning phenomenon, the two criteria will be determined and recorded in the following ways. The first clinical index for assessing the results is to measure chest pain by scoring a pain .the other parameter of troponin enzyme, which is measured by the Canadian Ramp Company 24 hours after the angioplasty.

Participants/Inclusion and exclusion criteria

1. Having a stenosis of at least 70% in at least one coronary artery 2. Ginger consumption 6 months before study 3. Sensitivity to ginger and its compounds 4. Chest pain 48 hours ago Angioplasty

Intervention groups

In this study, the Zinotoa capsule and the placebo control group received intervention

Main outcome variables

troponin enzyme

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20180118038426N1**

Registration date: **2018-03-04, 1396/12/13**

Registration timing: **registered_while_recruiting**

Last update: **2018-03-04, 1396/12/13**

Update count: **0**

Registration date

2018-03-04, 1396/12/13

Registrant information

Name

Afshin Nazari

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 66 3222 8901

Email address

nazary257@lums.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2018-02-25, 1396/12/06

Expected recruitment end date

2018-03-16, 1396/12/25

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of Zingiber officinale Roscoe on reducing ischemia-reperfusion injury in patients undergoing coronary angioplasty

Public title

Zingiber officinale Roscoe on reducing ischemia-reperfusion injury

Purpose

Treatment

Inclusion/Exclusion criteria**Inclusion criteria:**

Having a stenosis of at least 70% in at least one coronary artery

Exclusion criteria:

Ginger consumption 6 months before Study-Ginger sensitivity and its compounds-Chest pain 48 hours before Angioplasty

Age

From **20 years** old

Gender

Both

Phase

0

Groups that have been masked

- Participant
- Care provider

Sample size

Target sample size: **36**

Randomization (investigator's opinion)

Randomized

Randomization description

participants in 8 blocks containing 4 participants in the intervention group and 4 participants in the control group are randomly divided.

Blinding (investigator's opinion)

Double blinded

Blinding description

In this double-blind study, patients and researcher are unaware of the grouping patients.

Placebo

Used

Assignment

Parallel

Other design features**Secondary Ids**

empty

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

Ethics committee of Lorestan University of Medical Sciences

Street address

moalem ave.khorramabad town

City

khorrabad

Province

Lorestan

Postal code

6963157444

Approval date

2017-05-29, 1396/03/08

Ethics committee reference number

ir.lums.rec.1396.261

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

coronary artery disease

ICD-10 code

120-125

ICD-10 code description

120-125

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

troponin enzyme

Timepoint

24 hours after angioplasty

Method of measurement

laboratory kit

Secondary outcomes

empty

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

Intervention group: In the intervention group, Zinatuma capsule 250 mg is prescribed once a day for 10 days.

Category

Treatment - Drugs

2**Description**

Control group: This group is prescribed a placebo capsule for 10 days

Category

Treatment - Drugs

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

madani hospital

Full name of responsible person

afshin nazary

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khirabad ave.khorramabad town

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Position

associate professor

Latest degree

Ph.D.

Other areas of specialty/work

Physiology

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Email

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

Khoram-Abad University of Medical Sciences

Full name of responsible person

Morvat Kalani

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Khirabad ave. khorrarnabad town

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nazary257@gmail.com

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

Yes

Title of funding source

Khoram-Abad University of Medical Sciences

Proportion provided by this source

100

Public or private sector

Public

Domestic or foreign origin

Domestic

Category of foreign source of funding

empty

Country of origin**Type of organization providing the funding**

Academic

Person responsible for general inquiries**Contact****Name of organization / entity**

Khoram-Abad University of Medical Sciences

Full name of responsible person

afshin nazari

Person responsible for scientific inquiries**Contact****Name of organization / entity**

Khoram-Abad University of Medical Sciences

Full name of responsible person

asghar mohamadi

Position

lecturer

Latest degree

Master

Other areas of specialty/work

Nursery

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Person responsible for updating data**Contact****Name of organization / entity**

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Full name of responsible person

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Position

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

Yes - There is a plan to make this available

Study Protocol

Yes - There is a plan to make this available

Statistical Analysis Plan

No - There is not a plan to make this available

Informed Consent Form

No - There is not a plan to make this available

Clinical Study Report

Yes - There is a plan to make this available

Analytic Code

No - There is not a plan to make this available

Data Dictionary

No - There is not a plan to make this available

Title and more details about the data/document

All original study data is shared

When the data will become available and for how long

All original study data is shared

To whom data/document is available

academic institution

Under which criteria data/document could be used

For use in books and scientific articles

From where data/document is obtainable

Lorestan University of Medical Sciences

What processes are involved for a request to access data/document

with sending Email the study data will be sent within one week

Comments