

Clinical Trial Protocol

Iranian Registry of Clinical Trials

27 Jul 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	
<u>1</u>	
Ethics committee	
Name of ethics committee	Ethics committee of Lorestan University of Medical Sciences
Street address	moalem ave.khorramabad town
City	khorramabad

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	
<u>1</u>	
Description of health condition studied	coronary artery disease
ICD-10 code	120-125
ICD-10 code description	120-125
Primary outcomes	
<u>1</u>	
Description	troponin enzyme
Timepoint	24 hours after angioplasty
Method of measurement	labratory kit
Secondary outcomes	empty
Intervention groups	
<u>1</u>	
Description	Intervention group: In the intervention group, Zinatuma capsule 250 mg is prescribed once a day for 10 days.
Category	Treatment - Drugs
<u>2</u>	
Description	Control group: This group is prescribed a placebo capsule for 10 days
Category	Treatment - Drugs
Recruitment centers	
<u>1</u>	
Recruitment center	
Name of recruitment center	madani hospital
Full name of responsible person	afshin nazary

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Position
associate professor
Latest degree
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Other areas of specialty/work
Physiology
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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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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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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